

A CHECK-LIST OF THE FISHES RECORDED FROM THE
NEW ZEALAND REGION

By GILBERT P. WHITLEY

(Figures 1-2)

An accurate and complete illustrated catalogue of the New Zealand fishes is the most urgent zoological want of this country.—G. M. Thomson and T. Anderson, *Bull. N.Z. Board of Science and Art* ii, 1921, p. 67.

An up-to-date check list of the New Zealand fishes is urgently required. One has only to attempt a paper of this kind to find out the confusion that exists at present.—Maxwell Young, "Marine Fauna of the Chatham Islands", *Trans. N.Z. Inst.* ix, 1929, p. 138.

In any mapping of the world's resources, the fish-fauna claims its share of attention. The first step in understanding the fishes of a region is to list the known species in order of scientific classification; after that, descriptive and illustrated catalogues can be prepared. The older countries have long ago reached the latter stage, but Australasia lags behind in this stocktaking. The fishes of the waters to the north of Australia (many of which may enter our warmer seas) were dealt with in Weber & Beaufort's *Fishes of the Indo-Australian Archipelago*, started in 1911 and recently terminated. Papuan fishes have been catalogued by Munro (*Papua N. Guin. Agric. J.*, x, 1958, p. 97) and keyed and illustrated in his *The Fishes of New Guinea* (1967). The vast area of Oceania was covered by H. W. Fowler (*Mem. Bishop Mus.*, Honolulu, x, 1928, and later supplements). McCulloch (*Austr. Mus. Mem.* v, 1929-30) supplied a check-list of the fishes recorded from Australia and a later name-list was provided by the present writer (*Proc. Linn. Soc. N.S.Wales* lxxxix, 1964, p. 32). Several papers by Waite dealt with the fishes of the outlying Lord Howe and Norfolk Islands. The Antarctic fish-fauna was marshalled into order by Norman (*Discovery Rept.* xviii, 1938) and is presently under active review by American and Russian scientists. Thus, if the Australasian gap can be filled, we shall have a fair idea of what fishes are known from quite a large area of the globe.

Many of Australia's species of food- and other fishes were first discovered in New Zealand, so one fauna cannot reasonably be studied without reference to the other. Sometimes New Zealand and Australian biologists have independently investigated life-histories without realizing that, in their insularity, they were dealing with the same kind of fish; e.g. the spawning and young stages of the Porae of New Zealand and the commercially valuable Morwong of Australia have been treated as if the two were almost families apart, whereas they belong to the same species, *Nemadactylus douglasii*, a synonymy independently arrived at by Moreland in Wellington and myself in Sydney.

An excellent bibliography of New Zealand fishes was written by W. J. Phillipps (*N. Zeal. Mar. Dept. Fisher. Bull.*, i, 1927). In later years, so many fresh species have come to light, notably from deep sea expeditions, and have been recorded in such scattered publications, and there have been so many nomenclatural modifications, that a modern list became imperative. A

preliminary name-list appeared as an appendix in the second edition (1956) of D. H. Graham's *Treasury of New Zealand Fishes*, without references to literature.

The present paper lists all the known salt- and freshwater fishes of New Zealand, the Kermadecs, Campbells, Auckland and Chatham Islands and Macquarie Island, so as to bridge the gap on the "map" of the fish-fauna foreshadowed in the first paragraph. Introduced and fossil fishes have been excluded. The style follows very closely that of McCulloch's Australian check-list. The original reference to every genus and species is given with as exact a date of publication for each as can be determined. The type-locality of every species and the type-species of each genus is stipulated. Only New Zealand synonyms are included, because long extralimital synonymies would only overburden the list, but an exception is occasionally made in the case of a synonym of special importance, such as one not previously reported. Families, genera and species are listed under Classes. Ordinal and subordinal groups have been omitted to save superfluity; these can be obtained, if required, from Jordan's (1923), Berg's (1940), Golvan's (1962) or Norman's (1966) well-known Classifications of Fishes and the phyletic studies of Greenwood *et al.* (*Bull. Amer. Mus. Nat. Hist.* cxxxi (4), 1966).

Diacritical marks have been omitted for simplicity.

I was privileged to see at the British Museum (Natural History) the zoological manuscripts and drawings made during Cook's voyages to New Zealand. Most of these are still unpublished though they deal with the type-material of classic authors such as Forster, Gray and Richardson. As this goes to press, the announcement has been made that forty of the drawings of fishes from Captain Cook's Voyages are to be published by the Trustees of the British Museum (*Journ. Roy. Austr. Hist. Soc.* liv, 2, 1968, p. 213). The librarians of the Australian Museum and the Mitchell Library, Sydney, made accessible many volumes, some of them very rare books. When opportunity offered, specimens from New Zealand were examined and several enjoyable visits were made to New Zealand for field and laboratory experience. There is still much work to be done, not only in identifying and recording new species from the Dominion but in confirming the records of past authors. Phillipps' 1927 *Bibliography* dealt with 306 New Zealand and subantarctic species. The present list exceeds 500. Part of the increase is due to the larger area covered, but more especially to the recent development of our knowledge of deepsea and pelagic fishes as a result of oceanographical expeditions, and dredging by Professor L. R. Richardson's associates, and of littoral forms found and photographed by skin-divers. Research on freshwater fishes (*Galaxias*, *Retropinna* and *Gobiomorphus*) has also disclosed new forms in latter years. It will be noticed that, in this list, there are recorded from New Zealand many marine species whose type-localities are European. Even in Europe, subspecies of some of these species are recognized, so critical comparison of New Zealand and Old World specimens might reveal differences sufficient to justify nomenclatural separation.

Gerhard Krefft of Hamburg (grand-nephew, by the way, of his namesake who discovered the Queensland Lungfish) has pleaded for a more modern approach by European ichthyologists to the taxonomy and nomenclature of the marine fishes of Europe and suggests the preparation of an up to date check-list of European sea fishes (Krefft, *Archiv für Fischereiwiss.*, vi, 1955, pp. 1-10). Such a work would be of much interest to us in the Antipodes.

Difficulty has been experienced in tracing the results of Russian, Japanese and other scientific expeditions visiting New Zealand waters in recent years. Sometimes, neozelanic records are hidden amongst masses of localities referred to by station-numbers or by latitudes and longitudes, which must be laboriously plotted by anyone anxious to keep the New Zealand list

constantly up to date. I am not so sanguine as to expect that I have netted all these records and would be glad to learn of any omissions.

No new names have been proposed in this Check-list, but the following items may be noteworthy:

- (1) *Logotypes* (i.e. designations of type-species of genera):

Emissola (*Squalus mustelus*).
Somnolentus (*Somniosus brevipinna*).
Polyprionum (*Amphiprion americanus*).

- (2) *New synonyms* (the second item in each equation is the valid name):

Somnolentus = *Somniosus*.
Raia areata = *Arhynchobatis asperrimus*.
Muraenichthys breviceps halituna = *M. b. acus*.
Trachurus novaezelandiae = *T. clupeioides*.
Benthodesmus = *Scarcina*.
Ophioclinus venusta = *Ericentrus ruber*.

- (3) *Species newly recorded* from the New Zealand region:

Myctophum phengodes, *Lepidion microcephalus*, *Anthias pulchellus*,
Scypteria lenimen, *Parma microlepis*, *Yerutius phasis* and *Liosaccus aerobaticus*, apart from some unidentified or unnamed species.

- (4) Several refinements in the exactitude of *type-localities* of some species or their synonyms will be evident, and there are several new combinations.
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ACKNOWLEDGMENTS

My acknowledgments for assistance are gratefully tendered to the librarians of the British Museum (Natural History), London, the Australian Museum, the Linnean Society of New South Wales and the Mitchell Library, Sydney, the National Library, Canberra, and the Royal Society of South Australia, Adelaide, for access to books and scientific papers. In New Zealand, the Public Libraries of Wellington and Christchurch, the Museums of Auckland, Wellington, Christchurch and Dunedin; the Alexander Turnbull Library, Wellington; the Edward Percival Marine Laboratory at Kaikoura and the Portobello Aquarium have yielded valuable information, for which I thank them. Miss June Paul, formerly of the Australian Museum, and Mrs. M. Frewer kindly typed most of the manuscript.

Phylum CHORDATA
 Section ACRANIA
 Class LEPTOCARDII
 Family EPIGONICHTHYIDAE
 Genus ZEAMPHIOXUS

Zeamphioxus Whitley, Austr. Zool. vii, 3, Sept. 15, 1932, p. 264. Orthotype,
Heteropleuron hectori Benham.

ZEAMPHIOXUS HECTORI

Lancelet

Heteropleuron hectori Benham, Trans. N.Z. Inst. xxxiii, July 1901, p. 121,
 pl. i. East Coast, North Island of New Zealand.

Section CRANIATA
 Class MARSIPOBRANCHII
 Family EPTATRETIDAE
 Genus EPTATRETUS

Eptatretus Cloquet, Dict. Sci. Nat. (Levrault) xv, 1819, p. 135. Logotype,
Gastrobranchus dombey Latreille, Nouv. Dict. Hist. Nat., ed. 1, xxiv,
 1804, Poiss., p. 73 (the earliest latinization of Lacepede's vernacular).
 Genus also spelt *Heptatretus*, etc. by authors.

Homea Fleming, Philos. Zool. ii, May 1822, p. 374. Haplotype, *H. banksii*
 Fleming, based on "Animal from the South Seas" of E. Home, Philos.
 Trans. Roy. Soc. Lond. 1815, p. 258, pl. xii, fig. 1.

Heptatrema Voigt, Thierreich (Cuvier) ii, 1832, p. 529, ex Dumeril, MS.
 Haplotype, *Myxine* (*Heptatrema*) *dombey* Voigt = *dombey* Latreille. Also
 spelt *Heptatremus* by Swainson, 1839.

Bdellostoma Muller, Vergl. Anat. Myxin. 1835, pp. 2 & 16. Logotype, *B.*
hexatrema Muller.

Hexabranchnus Schultze, Isis (Oken) 1836, p. 757. Haplotype, *H. lichtensteinii*
 Schultze, *vide* Sherborn, Index Anim. Preoccupied in Mollusca by *Hexa-*
branchus Ehrenberg, 1831.

EPTATRETUS CIRRHATUS

Hagfish, Blind Eel

Petromyzon cirrhatus Bloch & Schneider, Syst. Ichth. 1801, p. 532. "Ex mari
 alluente insulam australem novae Zeelandiae" (Forster).

Homea banksii Fleming, Philos. Zool. ii, May 1822, p. 375. South Seas (Banks);
 based on "Animal of the South Seas" Home, Philos. Trans. Roy. Soc.
 Lond. 1815, p. 258, pl. xii, fig. 1. "South Seas" [= New Zealand].

Bdellostoma heptatrema Muller, Vergl. Anat. Myxinoiden 1835, p. 7. New
 Zealand.

Bdellostoma forsteri Muller, Vergl. Anat. Myxin. 1835, p. 16; Arch. Naturg.
 ii, 2, 1836, p. 249. Based on *Petromyzon cirrhatus* Bloch & Schneider,
 New Zealand.

Family MYXINIDAE

Genus NEOMYXINE

Neomyxine L. R. Richardson, Trans. Roy. Soc. N. Zeal. lxxxi, Dec. 1953, p.
 379. Orthotype, *Myxine biniplicata* Richardson & Jowett.

NEOMYXINE BINIPLICATA

Hagfish

Myxine biniplicata L. R. Richardson & Jowett, Zool. Publ. Vict. Univ. Coll.
 (Wellington) no. 12, 1951, p. 1, figs. 1-3. Cook Strait.

Genus NEMAMYXINE

Nemamyxine L. R. Richardson, Trans. Roy. Soc. N. Zeal. lxxxv, May 1958,
 p. 283. Orthotype, *N. elongata* L. R. Richardson.

NEMAMYXINE ELONGATA

Nemamyxine elongata L. R. Richardson, Trans. Roy. Soc. N. Zeal. lxxxv, May 1958, p. 283, figs. 1-8. Kaituna River, Bay of Plenty.

Family GEOTRIIDAE

Genus GEOTRIA

Geotria Gray, List. Spec. Fish. Brit. Mus. i, Chondropt, prefaced July 25, 1851, pp. 137 & 142. Haplotype, *G. australis* Gray.

GEOTRIA AUSTRALIS

Lamprey; Korokoro, Piharau kanakana (S. Island)

Geotria australis Gray, List. Spec. Fish. Brit. Mus. i, Chondropt., pref. July 25, 1851, p. 142, pl. ii. "River Inkar pinki, South Australia". Type in British Museum.

Geotria allporti Gunther, Proc. Zool. Soc. Lond., June-Dec. 1871, p. 675, pl. lxx. Tasmania. Type in British Museum.

Geotria saccifera Regan, Ann. Mag. Nat. Hist. (8) vii, Feb. 1, 1911, p. 196 Otago. Type in British Museum.

Subphylum PLAGIOSTOMATA

Class ELASMOBRANCHII

Family HETERODONTIDAE

Genus HETERODONTUS

Heterodontus Blainville, Bull. Soc. Philom. viii, Aug. 1816, p. 121. Haplotype, *Squalus philippi* Bloch & Schneider.

HETERODONTUS PORTUSJACKSONI

Port Jackson Shark

Squalus portusjacksoni Meyer, Zool. Entdeck., 1793, p. 71. Port Jackson, New South Wales.

Heterodontus portusjacksoni Moreland, Rec. Domin. Mus. iii, 1956, p. 9.

Family HEPTRANCHIIDAE

Genus NOTORYNCHUS

Notorynchus Ayres, Proc. Calif. Acad. Sci. i, 1855, p. 73; ed. 2, 1873, p. 77. Haplotype, *N. maculatus* Ayres.

NOTORYNCHUS CEPEDIANUS

Seven-gilled Shark

Squalus cepedianus Peron, Voy. Austr. i, 1807, p. 337 and Voy. Terres Austr., ed. 2, ii, 1824, p. 218. Adventure Bay, Tasmania (Baudin's Exped.).

Genus HEPTRANCHIAS

Heptranchias Rafinesque, Caratt. n. gen. sp. Sicil., 1810, p. 13. Haplotype, *H. cinereus* (Lacepede) = *perlo* Bonnaterre.

HEPTRANCHIAS DAKINI

One-finned Shark

Heptranchias dakini Whitley, Austr. Zool. vi, 1931, p. 310. Off Cape Everard, Victoria.

Genus HEXANCHUS

Hexanchus Rafinesque, Caratt. n. gen. sp. Sicil., 1810, p. 14. Haplotype, *Squalus griseus* Lacepede = Bonnaterre.

HEXANCHUS GRISEUS

Six-gilled Shark

Squalus griseus Bonnaterre, Tabl. Encycl. Meth. Ichth., 1788, p. 9. Mediterranean. *Id.* Gmelin, Syst. Nat. (Linn.), ed. 13, i, 1789, p. 1495.

Family SCYLIORHINIDAE
Genus CEPHALOSCYLLIUM

Cephaloscyllium Gill, Ann. Lyc. Nat. Hist. N. York vii, 1862, pp. 407 & 412. Orthotype, *Scyllium laticeps* Dumeril.

CEPHALOSCYLLIUM ISABELLA

Swell Shark, Draughtsboard Shark; Carpet Shark.

Squalus isabella Bonnaterre, Tabl. Encycl. Meth. Ichth., 1788, p. 6. "La Mer du Sud" = New Zealand.

Scyllium ? lima Richardson, Rept. 12th. meet. Brit. Assn. Adv. Sci. 1842 (1843), p. 29. Ex *Squalus lima* Parkinson, MS. Eaheenomauwee [i.e. North Island of] N.Z.

?*Scyllium chilense* Steindachner, Denkschr. K. Akad. Wiss. Wien, lxx, 1900 (1901), p. 519. French Pass. Not of Guichenot in Gay, Chili (Peces), 1849, p. 362, from Chile.

Family GALEORHINIDAE
Genus NOTOGALEUS

Notogaleus Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 310. Orthotype, *Galeus australis* Macleay.

NOTOGALEUS RHINOPHANES

School Shark, Tope.

Squalus rhinophanes Peron, Voy. Austr. i, 1807, p. 337; Voy. Terres Austr. ed. 2, ii, 1824, p. 218. Adventure Bay, Tasmania.

Galeus australis Macleay, Proc. Linn. Soc. N.S.Wales vi, 2, Sept. 12, 1881, p. 354. Port Jackson.

Family TRIAKIDAE
Genus TRIAKIS

Triakis Muller & Henle, Mag. Nat. Hist. (Charlesworth) ii, 1838, p. 36. Logotype, *T. scyllium* Muller & Henle.

TRIAKIS ATTENUATA

Slender Smooth Hound Shark

Triakis attenuata Garrick, Trans. Roy. Soc. N.Z. 3, Nov. 1954, p. 695, figs. 1-2. Off Kahu Rocks, N.E. of Cape Palliser; 120 faths.

Family GALEIDAE
Genus GALEOLAMNA

Galeolamna Owen, Descr. Cat. Osteol. Roy. Coll. Surg. i, 1853, p. 96, no. 427. Haplotype, *G. greyi* Owen.

Galeolamnoides Whitley, Mem. Qld. Mus. x, 4, June 30, 1934, pp. 185 and 191. Orthotype, *Carcharias macrurus* Ramsay and Ogilby.

GALEOLAMNA MACRURUS

Whaler

Carcharias macrurus Ramsay and Ogilby, Proc. Linn. Soc. N.S.Wales (2), ii, 1887-1888, pp. 163 and 1024, Port Jackson, N.S.Wales.

Note: Probably this is the species recorded under various names from N.Z. by early authors: *melanopterus*, *maou*, *carcharias*, &c.

GALEOLAMNA BRACHYURUS

Bronze Whaler

Carcharias brachyurus Gunther, Cat. Fish. Brit. Mus. viii, 1870, p. 369. N.Z. (Sir J. Ross); "Antarctic Expedition" and "Australia".

Genus PRIONACE

Prionace Cantor, Journ. Asiat. Soc. Bengal xviii, 2, 1849-50, p. 1381. Logotype, *Squalus glaucus* Linne.

PRIONACE MACKIEI

Blue Shark

Prionace mackiei Phillipps, N.Z. J. Sci. Tech. xvi, 4, Jan. 1935, p. 238 fig. 2.
Lyall Bay, near Wellington, N.Z.

Genus GALEOCERDO

Galeocerdo Muller and Henle, Ber. Verh. K. Pr. Akad. Wiss. Berlin, 1836
(1837), pp. 114 and 115. Logotype, *Squalus arcticus* Faber, Naturg. Fische
Iss. 1829, p. 17.

GALEOCERDO CUVIER

Tiger Shark

Squalus cuvier Lesueur, J. Acad. Nat. Sci. Philad. ii, Nov. 1822, p. 351. [N.W.
Australia].

Galeocerdo rayneri Macdonald and Barron, Proc. Zool. Soc. London, 1868,
p. 368, pl. xxxii, Australian coasts (H.M.S. "Herald").

Family SPHYRNIDAE

Genus SPHYRNA

Sphyrna Rafinesque, Indice Ittiol. Sicil., May 1810, pp. 46 & 60. Tautotype,
Squalus zygaena Linne.

SPHYRNA LEWINI

Hammerhead Shark; Mangopare

Zygaena lewini Griffith, Anim. Kingdom (Cuvier) x, 1834, p. 640, pl. 1.
South coast of New Holland.

SPHYRNA ZYGAENA

Squalus zygaena Linne, Syst. Nat., ed. 10, 1758, p. 234, ex Artedi. Europe
& America.

Note: Recorded from New Zealand by C. Gilbert, 1967.

Family EMISSOLIDAE

Genus EMISSOLA

Emissola Jarocki, Zoologia iv, 1822, p. 448. Logotype, *Squalus mustelus*
Linne, by present designation.

EMISSOLA ANTARCTICA

Gummy; Manga; Spotted Estuary Dogfish; Smooth hound

Squalus mustelus Forster, Voy. World Resolution i, 1777, p. 181. Dusky
Bay, N.Z. Not *Squalus mustelus* Linne, 1758.

Mustelus antarcticus Gunther, Cat. Fish. Brit. Mus. viii, 1870, p. 387. Antarctic
Expedition (Lords of the Admiralty) and "Southern Pacific".

Mustelus lenticulatus Phillipps, N.Z. J. Sci. Tech. xiii, 4, Feb. 1932, p. 226.
Wellington, N.Z. Type in Dominion Museum.

Family ALOPIIDAE

Genus ALOPIAS

Alopias Rafinesque, Caratt. gen. spec. Sicil. 1810, p. 12. Type, *A. macrourus*
Rafinesque.

ALOPIAS CAUDATUS

Thresher Shark

Alopias caudatus Phillipps, N.Z. J. Sci. Tech. xiii, 4, Feb. 1932, p. 226, fig.
Victoria (McCoy).

Family HALSYDRIDAE

Genus HALSYDRUS

Halsydrus Fleming, Scots Mag. 1809, p. 7; Edinb. Encycl. (Brewster) xi,
1817, p. 713; and Philos. Zool. ii, 1822, p. 380. Haplotype, *H. pontoppidiani*
Fleming (= *Squalus maximus* Linne).

HALSYDRUS MAXIMUS MACCOYI

Basking shark; Reremai

- ?*Squalus maximus* Linne, Syst. Nat. ed. 12, 1766, p. 400. Arctic Ocean.
Tetroras maccoyi Barrett, Sun Nature Book iv, "Water Life", 1933, p. 13,
 ex Whitley and Phillipps, MS. Victoria, Australia.

Family ISURIDAE

Genus LAMNA

- Lamna* Cuvier, Regne Anim. ed. 1, ii, "1817" = Dec. 1816, p. 126. Haplotype,
Squalus cornubicus Bloch and Schneider = Gmelin, 1789.

LAMNA WHITLEYI

Porbeagle

- Lamna whitleyi* Phillipps, N.Z. J. Sci. Tech. xvi, 4, Jany. 1935, p. 239, fig. 3.
 Wellington and Nelson, N.Z.

Genus ISUROPSIS

- Isuropsis* Gill, Ann. Lyc. Nat. Hist. N. York, vii, 1862, pp. 397 and 398.
 Orthotype, *Oxyrhina glaucus* Muller and Henle.

ISUROPSIS OXYRINCHUS

Blue Pointer; Mako

- Isurus mako* Whitley, Rec. Austr. Mus. xvii, 3, June 27, 1929, p. 101. N.Z.
 = *Isurus oxyrinchus* Rafinesque, Caratt. gen. spec. Sicil., April 1, 1810,
 p. 11, pl. xiii, fig. 1. Sicily.

Family CARCHARODONTIDAE

Genus CARCHARODON

- Carcharodon* Muller & Henle, Mag. Nat. Hist. (Charlesworth) ii, Jan. 1838,
 p. 37, ex Smith, MS. Haplotype *C. capensis* (Smith) = *C. carcharias* (Linne).

CARCHARODON ALBIMORS

Great White Shark; White Pointer; White Death; Mango-tuatini

- Carcharodon albimors* Whitley, Austr. Zool. ix, 3, Dec. 12, 1939, p. 240,
 N.S.W.

Family ECHINORHINIDAE

Genus ECHINORHINUS

- Echinorhinus* Blainville, Bull. Soc. Sci. Philom. Paris, Aug. 1816, p. 121. Type,
Squalus spinosus Gmelin.
Rubusqualus Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 311. Orthotype,
Echinorhinus (Rubusqualus) mccoysi Whitley.

ECHINORHINUS COOKEI

- Echinorhinus cookei* Pietschmann, Anz. Akad. Wiss. Wien. lxxv, 1928, p. 297;
 Bish. Mus. Bull. lxxiii, 1930, p. 3, pl. 1 & text-fig. 1. Kauai, Hawaiian
 Islands. Type destroyed. Neotype from New Zealand in Dominion Museum,
 Wellington, designated by Garrick, Trans. Roy. Soc. N.Z. lxxxviii, May
 1960, p. 105.

ECHINORHINUS (RUBUSQUALUS) MACCOYI

Bramble Shark; Spinous Shark

- Echinorhinus (Rubusqualus) mccoysi* Whitley, Austr. Zool. vi, Feb. 13, 1931,
 p. 311. Portland, Victoria. Holotype in National Museum, Melbourne,
 figured by McCoy, Prodromus Zool. Vict. (2), xv, 1887, p. 165, pl. 144.

Family OXYNOTIDAE

Genus OXYNOTUS

- Oxynotus* Rafinesque, Ind. Ittiol. Sicil., May 1810, p. 60. Haplotype *Squalus*
centrina Linne.

OXYNOTUS BRUNIENSIS

Spiny Dogfish; Prickly Dogfish

Centrina bruniensis Ogilby, Rec. Austr. Mus. ii, 5, Sept. 1893, p. 62. Ex Morton, MS. Bruni Island, Tasmania.

Family SQUALIDAE (including "DALATIIDAE")

Genus KOINGA

Koinga Whitley, Austr. Zool. ix, 3, Dec. 12, 1939, p. 242. Orthotype, *Squalus whitleyi* Phillipps.

KOINGA LEBRUNI

White-spotted or Spined Dogfish; Okeoke; Koinga

Squalus canis Forster, Voy. World. Resolution, i, 1777, p. 181 Dusky Bay, N.Z. *Nomen nudum*. Not *Squalus canicula* Linne 1758.

Acanthias maculatus Richardson, Trav. N.Z. (Dieffenbach), ii, Jan. 1843, p. 227 and Rept. 12th meet. B.A.A.S. 1842, (late 1843) p. 29. *Nomen nudum*, ex *Squalus maculatus* Parkinson, MS. Aeakeenomauiwee.

Squalus maculatus Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 227. *Nom. nud.*, ex Parkinson, MS. N.Z.

Acanthias lebruni Vaillant, Miss. Sci., Cap Horn vi, 1888, Zool., Poiss., p. 13, pl. i, fig. 2. Orange Bay, Punta Arenas, South America.

Squalus kirki Phillipps, N.Z. J. Sci. Tech. xii, 6, June 25, 1931, p. 361. Cook Strait, Wellington, N.Z. New name for *S. fernandinus* of authors, not of Molina, Sag. stor. nat. Chile (1782) p. 229.

Genus FLAKEUS

Flakeus Whitley, Austr. Zool. ix, 3, Dec. 12, 1939, p. 242. Orthotype, *Squalus megalops* Macleay.

FLAKEUS GRIFFINI

Griffin's Dogfish

Squalus griffini Phillipps, N.Z. J. Sci. Tech. xii, 6, June 1931, p. 360. Hauraki Gulf, N.Z.

Genus EUPROTOMICRUS

Euprotomicrus Gill, Proc. Acad. Nat. Sci. Philad, 1864, p. 264. Haplotype, *Scymnus labordii* Muller and Henle.

EUPROTOMICRUS BISPINATUS

Scymnus bispinatus Quoy & Gaimard, Voy. Uranie (Zool.) 1824, p. 197, pl. xliv, figs. 1-2. Mauritius.

Scymnus (Laemargus) labordii Muller and Henle, Syst. Plagiost. (2) 1839, p. 94. Mauritius and Bourbon.

Scymnus mauritanus Muller and Henle, Syst. Plagiost. (2) 1839, p. 94, in synon. Mauritius.

Note: Recorded from New Zealand by Hutton on the basis of jaws which have since been lost. But Hutton, Trans. N.Z. Inst. v, 1873, p. 271 later believed that the jaws "really belonged to a young specimen of *Carcharias brachyurus*". However, Waite (Subantarctic. Iss. N.Z. 1909, p. 585) records *Euprotomicrus bispinatus* from Campbell Island, and Mr. Moreland has shown me a New Zealand specimen. Modern accounts of the species and its distribution will be found in Parin, Trudy Akad. Nauk SSSR Okeanol. lxxiii, 1964, p. 163, figs. 2-4 and in Hubbs, Iwai and Matsubara, Bull. Scripps Inst. Oceanogr. x, 1967, pp. 1-64, pls. i-viii.

Genus SCIMNUS

Scymnus Cuvier, Regne Anim. ed. 1, ii "1817" = Dec. 1816, p. 130. Logotype, *Squalus americanus* Gmelin. Preocc. by *Scymnus* Kugelman, a genus of beetles.

Scymnus S.D.W., Analyst, 1837, p. 214. Emendation for *Scymnus*, preocc. Logotype, *Squalus americanus* Gmelin.

Scymnorhinus Bonaparte, Cat. Metod. Pesci Europ. 1846, p. 16. Logotype, *Squalus licha* Bonnaterre.

SCIMNUS PHILLIPPSI

Black Shark

Scymnorhinus phillippsi Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 310. Great Australian Bight.

Genus SCYMNODALATIAS

Scymnodalantias Garrick, Trans. Roy. Soc. N. Zeal. lxxxiii, 3, p. 555. Orthotype, *Scymnodon sherwoodi* Archey.

SCYMNODALATIAS SHERWOODI

Sherwood's Shark

Scymnodon sherwoodi Speight, 48th. Ann. Rept. Canterb. College, 1920 (June 27, 1921), p. 32. *Nomen nudum*. Id. Archey, Trans. N.Z. Inst. liii, Aug. 31, 1921, p. 195, pl. xxxix & text-figs. 1-2. New Brighton.

Scymnodolantias sherwoodi Garrick, Trans. Roy. Soc. N.Z. lxxxiii, 3, 1956, p. 564, figs. 1, A-L and 2, A-E.

Genus CENTROSCYMNUS

Centroscymnus Bocage & Capello, Proc. Zool. Soc. Lond. 1864, p. 263. Orthotype, *C. coelolepis* Bocage & Capello.

Centroselachus Garman, Mem. Mus. Comp. Zool. Harvard xxxvi, 1913, p. 206. Orthotype, *Centrophorus crepidater* Bocage & Capello.

Proscymnodon Fowler, Proc. Acad. Nat. Sci. Philad. lxxxv, 1933 (1934), p. 239. Orthotype, *Centrophorus plunketi* Waite.

CENTROSCYMNUS CREPIDATER

Centrophorus crepidater Bocage & Capello, Proc. Zool. Soc. Lond. 1864, p. 263. Off Portugal.

Centrophorus jonssonii Saemondsson, Vidensk. Med. Dansk. Foren lxxiv, 1922, p. 192, pl. v, figs. 1-2. Ex Jensen, MS. Iceland.

"Jonsson's Dogfish" Richardson, N.Z. Listener 35, 903, Nov. 23, 1956, p. 6, fig.

Centroscymnus crepidater Bigelow & Schroeder, Bull. Mus. Comp. Zool. Harvard 117, 1957, pp. 11 & 85-96, figs. 1 d & 12 a-d. Includes N.Z. record, ex Garrick, MS.

CENTROSCYMNUS OWSTONII

Centroscymnus owstonii Garman, Bull. Mus. Comp. Zool., Harvard xlvi, 11, Jan. 1906, p. 207. Suruga Gulf & Sagami Bay, Japan.

Genus SCYMNODON

Scymnodon Bocage & Capello, Proc. Zool. Soc. Lond., 1864, p. 263. Type-species, *S. ringens* Bocage & Capello.

SCYMNODON PLUNKETI

Lord Plunket's Shark

Centrophorus plunketi Waite, Proc. N.Z. Inst. 1909, iv, May 11, 1910, p. 109 and Trans. N.Z. Inst. xiii, June 1, 1910, p. 384, pl. xxxvii and text-fig. Off Kaikoura; deep water.

Centrophorus waitei Thompson, Rec. Canterb. Mus. iii, 4, March 18, 1930, p. 277, pl. xlv, figs. a-b. Off Kaikoura; deep water. Type re-figured by Garrick, Trans. Roy. Soc. N.Z. lxxxiii, 1955, p. 227, figs. 1-2, as *Centroscymnus*.

Scymnodon plunketi Garrick, Trans. Roy. Soc. N.Z. lxxxvii, 1959, p. 271, figs. 1-3.

Genus CENTROPHORUS

Centrophorus Muller & Henle, Ber. Verh. K. Pr. Akad. Wiss. Wien 1836 (1837), p. 115; Arch. Naturges. (Wiegmann) iii, 1, 1837, p. 398; Mag.

Nat. Hist. (Charlesw.), (n.s.) ii, 1838, p. 89. Orthotype, *Squalus granulosus* Bloch & Schneider.

Somnispinax Whitley, Fish. Austr. i, July 20, 1940, pp. 146 & 274. Orthotype, *Centrophorus nilsoni* Thompson.

CENTROPHORUS SQUAMOSUS

Nilson's Deepsea Dogfish

Squalus squamosus Bonnaterre, Tabl. Encycl. Meth., Ichth., 1788, p. 12. Europe.

Centrophorus foliaceus Gunther, Ann. Mag. Nat. Hist. (4) xx, Nov. 1, 1877, p. 433; Challenger Rept., Zool., xxii, 1887, p. 5, pl. ii, fig. A. Off Inosima, Japan; 345 faths.

Centrophorus nilsoni Thompson, Rec. Canterb. Mus. iii, 4, March 18, 1930, p. 276, pl. xliii, figs. a-i. Off Kaikoura; deep water.

Scymnodon foliaceus L. Richardson, N.Z. Listener xxxv, 903, Nov. 23, 1956, p. 7, fig.

Centrophorus foliaceus Bigelow & Schroeder, Bull. Mus. Comp. Zool. cxvii, 1957, pp. 45, 65 et seq., espec. 78 et seq. & 83, figs. 7 f-i and 8a.

Genus ETMOPTERUS

Etmopterus Rafinesque, Car. n. gen., 1810, p. 14. Haplotype, *E. aculeatus* Rafinesque.

ETMOPTERUS BAXTERI

Etmopterus baxteri Garrick, Bull. Mus. Comp. Zool. Harvard 116, 3, April 1957, p. 171, figs. 1 & 2. South of Kaikoura; 500 faths. Type in Dominion Museum, Wellington.

ETMOPTERUS ABERNETHYI

Etmopterus abernethyi Garrick, Bull. Mus. Comp. Zool. Harvard 116, 3 April 1957, pp. 171 & 181, figs. 3 & 4. South of Kaikoura; 100-200 faths. Holotype in Dominion Museum, Wellington; paratype in Mus. Comp. Zool., Harvard, U.S.A.

Note: According to Krefft (Arch. Fischereiwiss. (Hamburg) xix, 1968, p. 13), *Etmopterus abernethyi* is synonymous with the Japanese *E. lucifer* Jordan & Snyder, 1902.

Genus DEANIA

Deania Jordan & Snyder, Proc. U.S. Nat. Mus. xxv, 1902, p. 80. Orthotype, *D. eglantina* Jordan & Snyder.

Nasisqualus Smith, Proc. U.S. Nat. Mus. xli, Feb. 8, 1912, pp. 677 & 681, ex Smith & Radcliffe, MS. Orthotype, *N. profundorum* Smith.

DEANIA KAIKOURAE

Thompson's Deepsea Dogfish

Centrophorus kaikourae Whitley, Mem. Qld. Mus. x, 4, June 30, 1934, p. 199, no. 67. Kaikoura. New name for *C. calceus* Thompson, Rec. Canterb. Mus. iii, 4, March 18, 1930, p. 275, pl. xliii, figs. a-i, not *Acanthidium calceus* Lowe, Proc. Zool. Soc. Lond. vii, Oct. 1839, p. 92, from Atlantic Ocean.

Family SOMNIOSIDAE

Genus SOMNIOSUS

Somniosus Le Sueur, Journ. Acad. Nat. Sci. Philad. i, 9, May 1818, p. 222. Haplotype, *S. brevipinna* Le Sueur.

Somnolentus (as a subgenus of *Centrina*) Swainson, Nat. Hist. Fish. Amphib. Rept. i, 1838, p. 146. Genus caelebs, overlooked by nomenclators. Type-species (logotype), by present designation, *Somniosus brevipinna* Le Sueur. Thus *Somnolentus* is a new synonym of *Somniosus*.

SOMNIOSUS ANTARCTICUS

Sleeper Shark

Somniosus antarcticus Whitley, Austr. Zool. ix, 3, Dec. 12, 1939, p. 242. Macquarie Island.

Family TORPEDINIDAE

Genus NOTASTRAPE

Notastrape Whitley, Rec. Austr. Mus. xviii, 6, April 20, 1932, p. 327.
Orthotype, *N. macneilli* Whitley.

NOTASTRAPE FAIRCHILDII

Electric Ray; Whai Repo; Whai ngenge

Torpedo fairchildi Hutton, Fish. N.Z., Feb. 1872, p. 83, pl. xii, fig. 134.
Napier harbour.

Torpedo fusca Parker, N.Z. J. Sci. i, 9, May 1883, p. 479 and Trans N.Z.
Inst. xvi, May 1884, p. 281, pl. xxii. Purakanui, near Dunedin.

Genus TYPHLONARKE

Typhlonarke Waite, Rec. Canterb. Mus. i, 2, July 13, 1909, p. 131. Orthotype,
Astrape aysoni Hamilton.

TYPHLONARKE AYSONI

Torpedo-ray

Astrape aysoni Hamilton, Trans. N.Z. Inst. xxxiv, July 1902, p. 224, pls.
x-xii. Foveaux Strait.

TYPHLONARKE TARAKEA

Typhlonarke tarakea Phillipps, N.Z. J. Sci. Tech. xi, 1929, p. 101, fig. 3.
Island Bay.

Note: Another Electric Ray has been noted in a New Zealand newspaper
but not yet named.

Family RAJIDAE

Genus ZEARAJA

Zearaja Whitley, Austr. Zool. ix, 3, Dec. 12, 1939, p. 254. Orthotype, *Raja*
nasuta Muller and Henle.

ZEARAJA NASUTA

Skate; Waewae, Pakaurua, Whai (The egg is called Hau)

Raja nasuta Muller and Henle, Syst. beschr. Plagiost (3), 1841, p. 150, *ex*
Banks MS. "Sudsee" = Totaeranue, N.Z., *vide* Richardson, Trav. N.Z.
(Dieffenbach), ii, Jan. 1843, p. 227.

Genus SPINIRAJA

Spiniraja Whitley, Austr. Zool. ix, Dec. 12, 1939, p. 251. Orthotype, *Raja*
(*Spiniraja*) *ogilbyi* Whitley, from Manly, New South Wales.

SPINIRAJA RICHARDSONI

Spiny Skate

Raja richardsoni Garrick, Trans. Roy. Soc. N.Z. lxxxviii, 4, Feb. 1961, p. 745,
fig. 1. South of Cape Palliser; 1,300 faths.

Genus ARHYNCHOBATIS

Arhynchobatis Waite, Rec. Cant. Mus. i, 2, July 13, 1909, pp. 131 and 150.
Haplotype, *A. asperrimus* Waite.

ARHYNCHOBATIS ASPERRIMUS

Longtailed Skate

Arhynchobatis asperrimus Waite, Rec. Canterb. Mus. i, 2, July 13, 1909,
pp. 131 and 150, pl. xx. Bay of Plenty; 66-94 faths.

Raia areata Beaglehole, Endeav. Journ. Jos. Banks ii; 1962, p. 7, footnote 6,
ex Banks, MS. New Zealand, 1770.

Family DASYATIDAE

Genus BATHYTOSHIA

Bathytoshia Whitley, Rec. Austr. Mus. xix, Aug. 2, 1933, p. 61. Orthotype,
Dasyatis thetidis Waite, 1899, from N.S.Wales.

BATHYTOSHIA BREVICAUDATA

Smooth Stingaree; Whai Repo.

Raia rostrata Taylor, Te Ika a Maui, ed. 1, 1855, p. 412. *Nomen nudum* N.Z. Not *R. rostrata* Risso, 1826, from Europe.

Trygon brevicaudata Hutton, Ann. Mag. Nat. Hist. (4) xvi, Nov. 1875, p. 317 and Trans. N.Z. Inst. viii, May 1876, p. 216. Dunedin Harbour.

BATHYTOSHIA THETIDIS

Dasyatis thetidis Waite, Mem. Austr. Mus. iv, 1, Dec. 23, 1899, p. 46, ex Ogilby, MS. New South Wales.

Family AETOBATIDAE

Genus AETOBATUS

Aetobatus Blainville, Bull. Sci. Soc. Philom. Paris (July 1816), p. 120, *vide* Sherborn. Logotype, *Raia aquila* Linne, designated by Bory, Dict. Class. Hist. Nat. i, 1822, p. 129.

*Myliobatis** Cuvier, Regne Anim. ed. 1, ii, '1817' = Dec. 1816, p. 137. Ex Dumeril, MS. Logotype, *Raia aquila* Linne, selected by Bosc, Nouv. Dict. Hist. Nat. ed. 2, xxi, 1818, p. 530.

AETOBATUS TENUICAUDATUS

Eagle Ray

Raia macrocephala Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 227, ex Banks, MS. *Nomen nudum*. N.Z.

Myliobatis tenuicaudatus Hector, Trans. N.Z. Inst. ix, May 1877, p. 468, pl. x. Wellington Harbour.

Class HOLOCEPHALI

Family CHIMAERIDAE

Genus PHASMICHTHYS

Phasmichthys Jordan and Hubbs, Mem. Carneg. Mus. x, 2, June 27, 1925, p. 119. Orthotype, *Chimaera mitsukurii* Jordan and Snyder, 1904.

PHASMICHTHYS NOVAEZELANDIAE

Ghost Shark; Chimaera

Chimaera monstrosa var. *australis* Hector, Trans. N.Z. Inst. xxxiv, July, 1902, p. 239. Wairau bar, N.Z. Preoccupied by *Chimaera australis* Shaw, Gen. Zool. v, 1804, p. 368, a species of *Callorhynchus*.

Chimaera novaezelandiae Fowler, Proc. Acad. Nat. Sci. Philad. lxii, 3, Jan. 14, 1911, p. 603. New name for *C. monstrosa australis* Hector, preoccupied.

Family CALLORYNCHIDAE

Genus CALLORYNCHUS

Callorhynchus Meuschen, Index Zoophylac. Gronov. pt. iii, 1781. Ex Gronow, non-binomial. Tautotype, *Chimaera callorhynchus* Linne, 1758.

CALLORYNCHUS MILII

Elephant-fish; Elephant Shark; Reperepe

Callorhynchus milii Bory de St. Vincent, Dict. Class. Hist. Nat. iii, Dec. 1823, p. 62, pl. cxiii, fig. 1. "Western Australia" [?? may be Bruni Island, Tas. (Peron)].

Callorhynchus tasmanius Richardson, Proc. Zool. Soc. London viii, Aug. 1840, p. 29. Murderer's Bay, "Tasmania" (i.e. New Zealand); Jan. 16, 1770 (Solander) and Port Arthur, Tasmania.

* Fowler has quoted *Myliobatis* as of Geoffroy St. Hilaire, 1809, with *M. bovina* G.S.H. as type-species, but the date, according to Sherborn, is 1827, not 1809, and thus *Myliobatis* Cuvier is earlier; but this again is a synonym of *Aetobatus* Blainville, 1816, as restricted by Bory de St. Vincent.

Callorhynchus australis Owen Descr. Cat. Comp. Anat. Mus. Roy. Coll. Surgeons, ed. 2, i, 1852, p. 51 (Tasmania). Anticipated by *Chimaera australis* Shaw, 1804, which is a *Callorhynchus*.

?*Callorhynchus peronii* Dumeril, Hist. Nat. Poiss. i, 2, 1865, p. 694. Terres australes (F. Peron) and South America.

Callorhynchus dasycaudatus Colenso, Trans. N.Z. Inst. xi, May 1879, p. 298, pl. xvii. Poverty Bay, N.Z.

Family RHINOCHEMAERIDAE

Gen. et sp. indet.

Long-nosed Chimaera

Note: A male long-nosed Chimaera, whose genus and species have not yet been determined, was trawled 80 miles east of Timaru in between 200 and 300 fathoms. Specimen in Otago Museum, Dunedin.

Subphylum PISCES

Class ACTINOPTERI

Family SACCOPHARYNGIDAE

Genus EURYPHARYNX

Eurypharynx Vaillant, Comptes Rendus Acad. Sci. Paris xcv, 1882, p. 1226. Orthotype, *E. pelecanoides* Vaillant.

EURYPHARYNX PELECANOIDES

Gulper

Eurypharynx pelecanoides Vaillant, Comptes Rendus Acad. Sci. Paris xcv, 1882, p. 1226. Off the coast of Morocco; 2,300 metres.

Family ENGRAULIDAE

Genus AUSTRANCHOVIA

Austranchovia Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 311. Orthotype, *Atherina australis* White.

AUSTRANCHOVIA AUSTRALIS

Anchovy; Korowhaha

Atherina australis White, Voy. New South Wales, 1790, p. 296, pl. lxiv, fig. 1. Botany Bay district, N.S.Wales.

Engraulis encrasicolus var. *antipodum* Gunther, Cat. Fish. Brit. Mus. vii, 1868, p. 386. Van Diemen's Land and N.Z. (Haslar Collection).

Family CLUPEIDAE

Genus SARDINOPS

Sardinops Hubbs, Proc. Calif. Acad. Sci. (4) xviii, 11, 1929, p. 264. Orthotype, *Meletta caerulea* Girard, 1854.

SARDINOPS NEOPILCHARDUS

Pilchard; Picton Herring; Mohimohi

Clupea lata Richardson, Trav. N.Z. (Dieffenbach) ii, 1843, p. 221. *Nude name* ex Solander MS. Tolago Bay, N.Z.

Clupea neopilchardus Steindachner, Denkschr. Akad. Wiss. Wien. xli, 1, 1879, p. 12. Hobson's Bay, Victoria.

Genus MAUGECLUPEA

Maugeclupea Whitley, Rec. Austr. Mus. xviii, 6, April 20, 1932, p. 332. Orthotype, *Clupea bassensis* McCulloch 1911, from Bass Strait, Tasmania.

MAUGECLUPEA ANTIPODUM

Sprat; Kupae

- Clupea sprattus* var. *antipodum* Hector, Notes Edib. Fish. in Hutton, Cat. Fish. N.Z. Feb. 1872, p. 133* Foveaux Strait, N.Z. Also spelt *antipodarum* in Trans. N.Z. Inst. xi, May 1879, p. 572.
Clupea mulleri Klunzinger, Sitzb. Akad. Wiss. Wien. lxxx, 1, 1879, p. 416. N.Z. Distinct, *vide* Regan, Ann. Mag. Nat. Hist. (8) xix, 1917, p. 228.
Clupea holodon Regan, Ann. Mag. Nat. Hist. (8), xviii, July 1, 1916, p. 5. Stewart Island, N.Z. (C. Traill).

Family GONORYNCHIDAE

Genus GONORYNCHUS

- Gonorynchus* Scopoli, Intr. Hist. Nat., 1777, p. 450. *Ex* Gronow, non-binomial. Tautotype, *G. gonorynchus* Meuschen.
Rhynchana Richardson, Zool. Voy. Erebus & Terror, Fish, 1845, p. 44. Haplotype, *R. greyi* Richardson.

GONORYNCHUS FORSTERI

Sandfish

- Gonorynchus forsteri* Ogilby, Ann. Qld. Mus. x, Nov. 1, 1911, p. 34. Seas of N.Z.
Gonorynchus gayi Benham, Otago Univ. Mus. Ann. Rept. 1918 (1919), p. 8. Portobello. Not *Rhynchana greyi* Richardson, 1845, from south-western Australia.

Family ARGENTINIDAE

Genus ARGENTINA

- Argentina* Linne, Syst. Nat. ed. 10, 1758, p. 315; ed. 12, 1766, p. 518. Haplotype, *A. sphyraena* Linne.

ARGENTINA ELONGATA

Silverside

- Argentina elongata* Hutton, Ann. Mag. Nat. Hist. (5) iii, Jan. 1, 1879, p. 53. Cape Campbell (C. H. Robson).
Argentina decagon Clarke, Trans. N.Z. Inst. xi, May 1879, p. 296, pl. xiv. Hokitika.

Family RETROPINNIDAE

Genus RETROPINNA

- Retropinna* Gill, Proc. Acad. Nat. Sci. Philad. 1862, p. 14. Orthotype, *Argentina retropinna* Richardson.
Richardsonia Steindachner, Sitzb. Akad. Wiss. Wien. lliii, 1866, p. 469. Haplotype, *Argentina retropinna* Richardson.

RETROPINNA OBTUSIROSTRIS

Southland Smelt

- Retropinna obtusirostris* Stokell, Rec. Canterb. Mus. iv, 7, Sept. 10, 1941, p. 367, pl. lvii. Lake Henry, near Lake Te Anau, Southland. Holotype in Canterbury Museum. Paratype in Dominion Museum.

RETROPINNA OSMEROIDES

Large-toothed Smelt

- Retropinna osmeroides* Hector, Trans. N.Z. Inst. iii, May 1871, p. 134, pl. xix, fig. 1. Kaduka River, Otago.

* Strictly speaking, Hutton's Catalogue & Hector's Notes thereto should be quoted as Colon. Mus. & Geol. Surv. Dept. Publ. xviii. 1,000 copies were issued in Feb. 1872 and the publication was out of print by 1878 (12th Ann. Rept. Col. Mus.).

RETROPINNA RETROPINNA

Common Smelt; Paraki

Argentina retropinna Richardson, Zool. Voy. Erebus and Terror Ichth. 1848, p. 121, pl. lii, figs. 1-3. Bay of Islands, N.Z., taken in a net.

Retropinna richardsonii Gill, Proc. Acad. Nat. Sci. Philad. 1862, p. 14. Based on *Argentina retropinna* Richardson.

Retropinna richardsonii var. *elongata* Klunzinger, Sitzb. Akad. Wiss. Wien lxxx, 1, 1879, p. 413. N.Z.

RETROPINNA LACUSTRIS

Rotorua Smelt

Retropinna lacustris Stokell, Trans. Roy. Soc. N.Z. lxxiii, 3, Dec. 1943, p. 172. Ohau channel, near Lake Rotorua. Type in Canterbury Museum.

RETROPINNA CHATHAMENSIS

Chatham Islands Smelt

Retropinna chathamensis Stokell, Rec. Canterbury Mus. v. 4, Nov. 14, 1949, p. 206, pl. xliii. Chatham Islands.

RETROPINNA ABBREVIATA

Retropinna abbreviata McDowall, Rec. Dom. Mus. v. (13), 1965, p. 89, fig. 1. Lake Omapere.

RETROPINNA spp. nov.

Canterbury Smelt

Retropinna spp. nov. (not yet named) Stokell, Fresh water Fishes of N.Z., 1955, p. 15. Several localities, freshwater and estuarine.

Genus STOKELLIA

Stokellia Whitley, Austr. Zool. xii, July 18, 1955, p. 110. Orthotype, *Retropinna anisodon* Stokell.

STOKELLIA ANISODON

Stokell's Smelt

Retropinna anisodon Stokell, Rec. Canterb. Mus. iv, 7, Sept. 10, 1941, p. 371, pl. lv, fig. 2 and text-fig. 1. Waiau River, Southland. Holotype in Canterbury Museum, paratype in Southland Museum.

Family GALAXIIDAE

Genus GALAXIAS

Galaxias Cuvier, Regne Anim., ed. 1, ii, "1817" = Dec. 1816, p. 182. Virtual haplotype, *G. truttaceus* Cuvier, from Agnes River, Tasmania (vide Scott, Proc. Roy. Soc. Tas. 1935 (1936), p. 89).

GALAXIAS ARGENTEUS

Giant Galaxias, Black Kokopu, Mountain Trout

Esox argenteus Gmelin, Syst. Nat. (Linne), ed. 13, i, 3, 1789, p. 1393. Based on *Esox* sp., Forster, Voy. World Resolut. i, 1777, p. 159. Dusky Bay, south island of N.Z. April 18, 1773. Not *Esox argenteus* Forster, *ibid.* ii, 1777, p. 282, a nude name for the West Indies "Tenpounder" (*Elops saurus*).

Esox alepidotus Bloch & Schneider, Syst. Ichth., 1801, p. 395, ex Forster, MS. Southern Island of N.Z. [= Dusky Bay].

Galaxias forsteri Cuvier & Valenciennes*, Hist. Nat. Poiss. xviii, 1846, ed. 1, p. 351; ed. 2, p. 261. New name for *Esox alepidotus* Forster, MS. Freshwater lakes of N.Z. [= Dusky Bay].

* I have followed the conventional practice of quoting Cuvier and Valenciennes' "Histoire Naturelle des Poissons" under both those author's names (Cuv. & Val.), but those who prefer to do so may attribute the new names in that great publication to either Cuvier or Valenciennes according to the table provided by R. M. Bailey, Copeia 1951, 3, p. 251, and by the International Commission of Zoological Nomenclature.

Galaxias grandis Clarke, Trans. N.Z. Inst. xxxi, June 1899, p. 82. Westland.
Preoccupied by *G. grandis* Haast, 1873.

Galaxias kokopu Clarke, Trans. N.Z. Inst. xxxi, June 1899, pp. 82 and 84,
pl. iv. Westland.

GALAXIAS FASCIATUS

Banded Galaxias, Barred Trout; Kokopu, Para

Galaxias fasciatus Gray, Zool. Miscell. June 1842, p. 73. River Thames.

Galaxias fasciatus Cuv. & Val., Hist. Nat. Poiss. xviii, 1846, p. 350; ed. 2, p. 260.
Bay of Islands, N.Z. (Independently of Gray).

Galaxias brocchus Richardson, Zool. Erebus and Terror. Fish (1848) p. 76,
pl. xliii, figs. 8-13. Auckland Islands [? = Auckland].

?*Galaxias reticulatus* Richardson, Zool. Erebus and Terror, Fish 1848, p. 76,
pl. xlii, figs. 7-12. Auckland Islands (Type) & N.Z. [? = Auckland].

Galaxias abbreviatus Clarke, Trans. N.Z. Inst. xxxi, 1899, pp. 80, 83 & 90.
Taranaki.

GALAXIAS POSTVECTIS

Short-jawed Kokopu

Galaxias postvectis Clarke, Trans. N.Z. Inst. xxxi, June 1899, p. 84, pl. v,
fig. (3). Westland.

Galaxias charlottae Whitley & Phillipps, Trans. Roy. Soc. N.Z. xlix, 2, Sept.
1939, p. 230, pl. xxi, fig. 2. Queen Charlotte Sound.

GALAXIAS GRACILIS

Galaxias gracilis McDowall, Breviora 265, April 6, 1967, pp. 4-7, figs. 2-5.
Upper Lake Rototuna, Kaipara Harbour, North Auckland.

GALAXIAS USITATUS

Galaxias usitatus McDowall, Breviora 265, April 6, 1967, pp. 4-7, figs.
2, 3, 4 & 6. Lake Waiparera, North Auckland.

GALAXIAS BREVIPINNIS

Lowland Galaxias, Taiwharu; Kokopu

Galaxias brevipinnis Gunther, Cat. Fish. Brit. Mus. vi, 1866, p. 213. N.Z.
(Capt. Stokes).

Galaxias grandis Haast, Trans. N.Z. Inst. v, May, 1873, p. 278. Lake
Ellesmere (type) and Lake Hall, S. Island. Not *Galaxias grandis* Clarke.

Galaxias robinsonii Clarke, Trans. N.Z. Inst. xxxi, June 1899, pp. 81 & 89,
pl. v, fig. [2]. Taranaki (several localities).

Galaxias bollansi Hutton, Trans. N.Z. Inst. xxxiv, July 1902, p. 198. Southern
Islands of New Zealand.

GALAXIAS CAMPBELLI

Campbell Island Galaxias

Galaxias campbelli Sauvage, Bull. Soc. Sci. Philom. (7) iv, 1880, p. 229.
Campbell Island. *Id.* Stokell, Cape Exped. Bull. ix, 1950, p. 6 and
plate. Distinct species according to Woods, Freshw. Fishes, 1963, p. 32.

GALAXIAS LYNX

Cold Lakes Galaxias or Lynx; Maehae

Galaxias lynx Hutton, Trans. N.Z. Inst. xxvii, June 1896, p. 317. Lake
Coleridge, Lake Wakatipu.

GALAXIAS PAUCISPONDYLUS

Alpine Galaxias

Galaxias paucispondylus Stokell, Rec. Canterbury Mus. iv, 4, March 31, 1938,
p. 203, pl. xxv, fig. 2. Rakaia and Waimakariri valleys and tributaries,
South Island; over 1,700 feet.

GALAXIAS PROGNATHUS

Long-jawed Galaxias

Galaxias prognathus Stokell, Trans. Roy. Soc. N.Z. lxxix, 4, March 1940, p. 422, pl. lvii, figs. 1-3. Wilberforce River, Canterbury; over 2,000 feet.

GALAXIAS CASTLEAE

Galaxias castleae Whitley & Phillipps, Trans. Roy. Soc. N.Z., lxxix, 2, Sept. 1939, p. 229, pl. xxi, fig. 1. Lake Waikaremoana.

GALAXIAS VULGARIS

Common River Galaxias

Galaxias vulgaris Stokell, Trans. Roy. Soc. N.Z. lxxvii, 1949, p. 473, pl. lv, fig. 8. Rubicon River, Canterbury; 1,500 feet alt.

GALAXIAS ANOMALUS

Strange Galaxias

Galaxias anomalus Stokell, Trans. Roy. Soc. N.Z. lxxxvii, Nov. 1959, p. 265, pl. xxi, fig. 1. Ophir, Clutha basin, Otago.

GALAXIAS DIVERGENS

Dwarf Galaxias

Galaxias divergens Stokell, Trans. Roy. Soc. N.Z. lxxxvii, Nov. 1959, p. 266, pl. xxi, fig. 2. Maruia, Buller basin, Nelson.

GALAXIAS HUTTONI

South Island Galaxias or Koaro

Galaxias huttoni Regan, Proc. Zool. Soc. London 1905, ii, April 5, 1906, pp. 366 and 373, pl. x, fig. 2. Lake Rainiera, N.Z. Types in British Museum.

GALAXIAS KOARO

Thermal Lakes Galaxias, N. Island Koaro; Miroiti (young), Koaro

Galaxias koaro Phillipps, Fish. N.Z. i, 1940, p. 35, fig. 20. Lakes Rotopounamu and Rotoaira = Whitley and Phillipps, Trans. Roy. Soc. N.Z. lxxix, 2, Sept. 1939, p. 230 (virtually nomen nudum).

Genus AUSTRROBITIS

Austrocoibitis Ogilby, Proc. Linn. Soc. N.S.Wales xxiv, Aug. 1899, p. 158. Orthotype, *Mesites attenuatus* Jenyns.

AUSTRROBITIS ATTENUATUS

Whitebait; Minnow; Inanga; Hiwi

Mesites attenuatus Jenyns, Zool. Voy. Beagle, Fish. 1841, p. 121, pl. xxii, fig. 5. Bay of Islands, N.Z.

Genus SAXILAGA

Subgenus LIXAGASA

Saxilaga Scott, Proc. Roy. Soc. Tas. 1935 (Aug. 17, 1936), p. 106. Orthotype, *Galaxias cleaveri* Scott.

Lixagasa Scott, Proc. Roy. Soc. Tas. 1935 (Aug. 17, 1936), p. 110. Orthotype, *Galaxias burrowsius* Phillipps.

SAXILAGA (LIXAGASA) BURROWSIUS

Canterbury Mudfish; Mud Galaxias

Galaxias burrowsius Phillipps, Nature, April 3, 1926, p. 485 and Trans. N.Z. Inst. lvi, July 12, 1926, p. 531, pl. lxxxviii. West Oxford, South Island of N.Z. Type in Dominion Museum.

Genus NEOCHANNA

Neochanna Gunther, Ann. Mag. Nat. Hist. (3) xx, Nov. 1867, p. 306. Haplotype, *N. apoda* Gunther.

NEOCHANNA APODA

Brown Mudfish; Haukau; Waikaka

Neochanna apoda Gunther Ann. Mag. Nat. Hist. (3) xx, Nov. 1, 1867, p. 306, pl. vii. Hokitika, N.Z.; "at a depth of 4 feet from the surface, in a stiff clay imbedding roots of trees. The locality is 37 feet above the level of the Hokitika River, and three miles from the sea, and has at one time been a backwater of the river during floods . . . they occur enclosed in hollows in the clay."

NEOCHANNA DIVERSA

Black Mudfish

Neochanna diversus Stokell, Trans. Roy. Soc. N.Z. lxxvii, 1949, p. 473, pl. lvii, fig. 12.

Family APLOCHITONIDAE

Genus PROTOTROCTES

Prototroctes Gunther, Cat. Fish. Brit. Mus. v, 1864, p. 382. Haplotype, *P. maraena* Gunther.

PROTOTROCTES OXYRHYNCHUS

Grayling; Upokororo

Prototroctes oxyrhynchus Gunther, Proc. Zool. Soc. Lond., June 2, 1870, p. 152. Freshwaters of the mountainous interior of N.Z. (Westland Nat. Soc.).
Retropinna upokororo Hector, Trans. N.Z. Inst. iii, May 1871, p. 134, pl. xix, fig. 2. Matai River, Nelson. Also as *Coregonus upokororo* on pl. xviii, figs. 4a & b of the same volume.

Family SEARSIDAE

Genus PERSPARSIA

Persparsia Parr, Amer. Mus. Novit. 1531, July 24, 1951, p. 17. Orthotype, *P. taaningi* Parr.

PERSPARSIA KOPUA

Baldfish

Bathytroctes kopua Phillipps, Rec. Domin. Mus. i, Sept. 4, 1942, p. 49, pl. xvi, fig. 1. Cook Strait; 100 fathoms, from stomach of groper.

PERSPARSIA TAANINGI

Persparsia taaningi Parr, Amer. Mus. Novit. 1531, 1951, p. 18. Off Cape Colony. *Id.* Parr, Dana Report li, 1960, p. 50, etc., figs. 35-36. Near Kermadec Islands ("Dana" Station 3630)—doubtful rec. (Parr, 1960).

Family MICROSTOMIDAE

Genus HALAPHYA

Halaphya Gunther, Rept. Voy. Challenger, Zool. xxxi, prefaced Jan. 23, 1889, p. 38. Haplotype, *H. elongata* Gunther.

HALAPHYA ELONGATA

Sea Foam Smelt

Halaphya elongata Gunther, Rept. Voy. Challenger, Zool. xxxi, pref. Jan. 23, 1889, p. 39, pl. vi, fig. c. "At the surface, in the open sea on the passage from Sydney to Wellington."

Family ALEPOCEPHALIDAE

Genus BATHYTROCTES

Bathytroctes Gunther, Ann. Mag. Nat. Hist. (5) ii, Sept. 1, 1878, p. 249. Logotype, *B. microlepis* Gunther.

BATHYTROCTES ANTIPODIANA

Bathytroctes antipodiana Parrott, Rec. Canterbury Mus. v, 3, Feb. 27, 1948, p. 143, pl. xxxi, fig. 3. Kaikoura.

Family ASTRONESTHIDAE

Genus ASTRONESTHES

Astronesthes Richardson, Zool. Voy. Sulphur i, Ichth., 1845, p. 97. Haplotype, *A. nigra* Richardson.

ASTRONESTHES BOULENGERI

Eater of Stars

Astronesthes boulengeri Gilchrist, Mar. Invest. S. Afr. ii, 1902, p. 103, pl. vi. Off Cape Point and East London, S. Africa; 360-490 faths.

Note: An African species recorded from New Zealand by Bussing, Biol. Antarctic Seas ii, 1965, Antarct. Res. Series 5, Amer. Geophysic. Union Publ. 1297, p. 198, fig. 5, *ex* Gibbs, MS.

Genus NEONESTHES

Neonesthes Regan & Trewavas, Dana Exped. Ocean. Rept. v, 1929, pp. 5 & 30. Haplotype, *N. macrolychnus* Regan & Trewavas.

NEONESTHES CAPENSIS

Astronesthes capensis Gilchrist & von Bonde, Deep Sea Fishes, Fisher. & Mar. Biol. Surv. Rept. iii, Spec. Rept. vii, 1924, p. 5. Off Table Bay, South Africa.

Neonesthes macrolychnus Regan & Trewavas, Dana Exped. Ocean. Rept. v, 1929, p. 30, pl. vi, fig. 2. North Atlantic.

Family CHAULIODONTIDAE

Genus CHAULIODUS

Chauliodus Bloch & Schneider, Syst. Ichth., 1801, p. 430. Haplotype, *C. sloani* Bloch & Schneider.

CHAULIODUS DANNEVIGI

Viper Fish

Chauliodus dannevigii McCulloch, Biol. Res. Endeavour iv, Oct. 31, 1916, p. 179, pl. lii. Off Cape Everard, Victoria.

Family GONOSTOMIDAE

Genus CYCLOTHONE

Cyclothone Goode & Bean, Bull. Mus. Comp. Zool. Harvard x, 1883, p. 221. Haplotype, *C. lusca* Goode & Bean.

CYCLOTHONE MICRODON

Roundmouth

Gonostoma microdon Gunther, Ann. Mag. Nat. Hist. (5) ii, Aug. 1, 1878, pp. 175 & 187. Atlantic and Pacific Oceans; 500-2,900 faths.

CYCLOTHONE BRAUERI

Cyclothone braueri Jespersen & Taning, Rept. Danish. Oceanogr. Exped. 1908-1910, no. 9, 1926, p. 7. Mediterranean Sea and Atlantic Ocean.

CYCLOTHONE PSEUDOPALLIDA

Cyclothone pseudopallida Mukhacheva, Trudy Inst. Okeanol. Akad. Nauk. SSSR, lxxiii, 1964, p. 104, fig. 7a. Pacific Ocean.

Note: Compare Rass, Acad. Sci. USSR, Biol. Pacif. Ocean iii, 1967, pp. 195-197, maps.

Genus PHOSICHTHYS

Phosichthys Hutton, Fish. N.Z., Feb. 1872, p. 55. Haplotype, *P. argenteus* Hutton. Emended to *Photichthys* by Gunther.

PHOSICHTHYS ARGENTEUS

Lighthouse Fish

Phosichthys argenteus Hutton, Fish. N.Z., Feb. 1872, p. 56. Cook Straits; thrown on shore after heavy gales.

Genus NAROOMA

Narooma Whitley, Rec. Austr. Mus. xix, 4, Sept. 19, 1935, p. 215. Orthotype, *N. benefica* Whitley.

NAROOMA RAOULENSIS

Porthole Fish

Gonostoma raoulensis Waite, Trans. N.Z. Inst. xlii, 1910, p. 373, pl. xxxv, fig. 1. Raoul Island, Kermadecs.

Family MAUROLICIDAE

Genus TRIARCUS

Triarcus Waite, Proc. N.Z. Inst. 1909, iv, May 11, 1910, p. 109 and Trans. N.Z. Inst. xlii, June 1, 1910, p. 386. Haplotype, *Maurolicus australis* Hector.

TRIARCUS AUSTRALIS

Southern Pearlside

Maurolicus australis Hector, Trans. N.Z. Inst. vii, June 1875, p. 250, pl. ii, fig. 90d. Milford Sound and Cuttle Cove, Preservation Inlet (type). Earlier as a *nomen nudum* in Hector, 9th Ann Rept. Colon. Mus. 1874, p. 10.

Family STERNOPTYCHIDAE

Genus ARGYROPELECUS

Argyropelecus Cocco, Giorn. Sci. Lett. Sicil. xxvi, 1829, p. 46. Type species, *A. hemigymnus* Cocco (*vide* Jordan, Gen. Fish.).

ARGYROPELECUS INTERMEDIUS

Hatchet Fish

Argyropelecus intermedius Clarke, Trans. N.Z. Inst. x, May 1878, p. 244, pl. vi. Hokitika, N.Z.

Polyipnus kirkii Hector, Trans. N.Z. Inst. xxviii, June 1896, p. 743. *Nomen nudum*. N.Z. (Kirk). ("Challenger" specimens of "*Sternoptyx diaphana*" from near the Kermadecs are probably this species). *Polyipnus* probably also occurs in New Zealand.

Family IDIACANTHIDAE

Genus IDIACANTHUS

Idiacanthus Peters, Monatsb. Akad. Wiss. Berlin, Dec. 1876 (1877) p. 846. Haplotype, *I. fasciola* Peters, from northward of Australia and New Guinea ("Gazelle").

IDIACANTHUS NIGER

Starry Dragon

Idiacanthus niger Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 11, 1914, p. 14. N.Z. ("Terra Nova").

Idiacanthus aurora Waite, Sci. Rept. Austr. Antarct. Exped. iii, 1, Fishes, June 30, 1916, p. 53, pl. v, fig. 1 and text-fig. 11. Off Macquarie Island; 1450-636 fathoms. (Figured with further notes; Regan and Trewavas, Dana Rept. vi, 1930, p. 128, fig. 124).

Family STOMIATIDAE

Genus STOMIAS

Stomias Rafinesque, Analyse, 1815, p. 89. *Nomen nudum*.

Stomias Schinz, Das Thierreich (Cuvier) ii, 1822, p. 310. Haplotype, *Esox boa* Risso.

STOMIAS GRACILIS

Boa Fish

Stomias gracilis Garman, Mem. Mus. Comp. Zool. Harvard xxiv, Dec. 1899, p. 274. South of Australia ("Challenger").

Family CHLOROPHTHALMIDAE

Genus CHLOROPHTHALMUS

Chlorophthalmus Bonaparte, Icon. Faun. Ital., fasc. xxviii, Pesci, 1840, unpagged. Orthotype, *C. agassizi* Bonaparte.

CHLOROPHTHALMUS NIGRIPINNIS

Cucumber Fish

Chlorophthalmus nigrispinnis Gunther, Ann. Mag. Nat. Hist. (5) ii, Aug. 1, 1878, p. 182; Voy. Challenger Zool. xxii, 1887, p. 193, pl. li, fig. A. Off Twofold Bay, 120 faths.

Genus BATHYSAUROPSIS

Bathysauropsis Regan, Ann. Mag. Nat. Hist. (8) vii, 1911, p. 127. Haplotype, *Chlorophthalmus gracilis* Gunther.

BATHSAUROPSIS GRACILIS

Deepsea Lizard Fish

Chlorophthalmus gracilis Gunther, Ann. Mag. Nat. Hist. (5) ii, Aug. 1, 1878, p. 182; Voy. Challenger Zool., xxii, 1887, p. 194, pl. xlix, fig. A. Off New Zealand, etc.

Family HARPADONTIDAE

Genus BATHYSAURUS

Bathysaurus Gunther, Ann. Mag. Nat. Hist. (5) ii, Aug. 1, 1878, p. 181. Logotype, *B. ferox* Gunther.

BATHYSAURUS FEROX

Deepsea Bombay Duck

Bathysaurus ferox Gunther, Ann. Mag. Nat. Hist. (5) ii, 1878, p. 182; Rept. Voy. Chall. Zool., xxii, 1887, p. 181, pl. xlvi, fig. a. East coast of N.Z.; 1,100 faths. ("Challenger" Station 168.)

Family BATHYPTEROIDAE

Genus BATHYPTEROIS

Bathypterois Gunther, Ann. Mag. Nat. Hist. (5) ii, Aug. 1, 1878, p. 183. Logotype, *B. longifilis* Gunther.

BATHYPTEROIS LONGIFILIS

Feeler Fish

Bathypterois longifilis Gunther, Ann. Mag. Nat. Hist. (5) ii, Aug. 1, 1878, p. 183; Rept. Voy. Challenger Zool. xxii, 1887, p. 185, pl. xlvii, fig. b and pl. xlvi, fig. b. Near the Kermadec Islands; 520 and 630 faths. ("Challenger" Stations 170, 170a.)

Family MYCTOPHIDAE

Lantern Fishes

Genus PROTOMYCTOPHUM

Protomyctophum Fraser-Brunner, Proc. Zool. Soc. Lond. 118, Feb. 1949, p. 1045, as subgenus of *Electrona*. Orthotype, *Myctophum tenisoni* Norman.

PROTOMYCTOPHUM TENISONI

Myctophum tenisoni Norman, Discovery Report ii, 1930, pp. 319 & 321, fig. 27. Antarctic and Southern Atlantic.

PROTOMYCTOPHUM NORMANI

Myctophum normani Taning, Vidensk. Med. Dansk. nat. Foren. xciv, July 19, 1932, p. 127, fig. 2. East of N.Z. and Cape of Good Hope.

PROTOMYCTOPHUM ANDERSSONI

Myctophum anderssoni Lonnberg, Zool. Anzeiger xxviii, April 25, 1905, p. 763; Wiss. Ergeb. Schwed. Sudpolar Exped. v, 6, 1905, p. 61. Falkland Islands.

Genus HIEROPS

Hierops Fraser-Brunner, Proc. Zool. Soc. Lond. 118, Feb. 1949, p. 1046, as subgenus of *Electrona*. Orthotype, *Scopelus arcticus* Lutken.

HIEROPS SUBPARALLELUS

Myctophum arcticum subparallelum Taning, Vidensk. Med. Dansk. nat. Foren., xciv, July 19, 1932, p. 128. Cook Strait and South Island of N.Z.

HIEROPS PARALLELUS

Myctophum parallelum Lonnberg, Zool. Anz. xxviii, 23, 1905, p. 764.
350 miles north-west of South Georgia Island.

Protomyctophum (Hierops) parallelum Andriashev, Explor. Faun. Seas i (9), 1962, p. 237, fig. 16 (Eastern side of South Island of N.Z.)

Genus METELECTRONA

Metelectrona Wisner, Copeia 1963 (1), March 30, 1963, p. 24. Orthotype, *M. ahlstromi* Wisner.

METELECTRONA AHLSTROMI

Metelectrona ahlstromi Wisner, Copeia 1963 (1), March 30, 1963, p. 24, fig. 1. South-central Pacific Ocean, about 400 miles S.E. of N.Z.

Genus ELECTRONA

Electrona Goode & Bean, Spec. Bull. U.S. Nat. Mus. ii (Oceanic Ichth.), 1896, pp. 71 & 91. Orthotype, *Scopelus risso* Cocco.

ELECTRONA ANTARCTICA

Scopelus antarcticus Gunther, Ann. Mag. Nat. Hist. (5) ii, Aug. 1, 1878, p. 184; Rept. Voy. Challenger Zool., xxii, 1887, p. 196, pl. li, fig. D. Antarctic Ocean; 1,975 fathoms.

ELECTRONA CARLSBERGI

Myctophum carlsbergi Taning, Vidensk. Med. Dansk. nat. Foren. xciv, July 19, 1932, p. 126, fig. 1. East of N.Z.

ELECTRONA RISSO SALUBRIS

Scopelus risso Cocco, Giorn. Sci. Lett. Sicilia xxvi, 1829, p. 144, *vide* Sherborn, Index Anim. Messina.

Electrona risso salubris Whitley, Rec. Austr. Mus. xix, 1933, p. 62. Between Cape Everard and Gabo Island, Victoria. *Id.* Moreland, Rec. Domin. Mus. iii, 1956, p. 10, fig. 2.

Genus ELAMPADENA

Elampadena Whitley, Rec. Austr. Mus. xxiii, Oct. 21, 1953, p. 135. Orthotype, *Scopelus subasper* Gunther.

ELAMPADENA SUBASPERA

Scopelus subasper Gunther, Cat. Fish. Brit. Mus. v, 1864, p. 411. Pacific Ocean at 43°40'S. Lat. x 123°E. Long. [Indian Ocean, well to southward of Western Australia.]

Note: Recorded from Macquarie Island as *Myctophum antarcticum*.

Genus HYGOPHUM

Hygophum Taning, Vidensk. Med. Dansk. nat. Foren. xciv, July 19, 1932, p. 133. Logotype, *Scopelus hygomi* Lutken, selected by Bolin, Stanford Ichth. Bull. i, (4) 1939, p. 113.

HYGOPHUM HANSENI

Myctophum (Hygophum) hanseni Taning, Vidensk. Med. Dansk. nat. Foren. xciv, July 19, 1932, p. 132, fig. 4. East of N.Z. and Cape of Good Hope.

HYGOPHUM HYGOMI

Scopelus hygomi Lutken, K. Dansk. Vidensk. Selsk. Skr. (6) vii, 1892, p. 256, fig. 15. Type-loc. selected by Bolin, Rept. M. Sars Exp. iv, 2, 1959, p. 7, as 38°N. Lat. x 22°20'W. Long., North Atlantic Ocean.

Genus BENTHOSEMA

Benthosema Goode & Bean, Spec. Bull. U.S. Nat. Mus. ii (Oceanic Ichth.), 1896, pp. 71 and 75. Orthotype, *Salmo mulleri* Gmelin.

BENTHOSEMA SIMILIS

Myctophum simile Taning, Vidensk. Medd. Dansk. nat. Foren lxxxvi, 1928, p. 56. North Atlantic. See Rass, Trudy Inst. Okeanol. Akad. Nauk SSR., xli, 1960, p. 149.

Genus LAMPADENA

Lampadena Gill, Mem. Nat. Acad. Sci. Washington vi, 1893, pp. 113 & 123, ex Goode & Bean, MS. Haplotype, *Scopelus parvimanus* Gunther. Not *Lampadena* as published by Goode & Bean in 1896.

LAMPADENA PARVIMANUS

Scopelus parvimanus Gunther, Cat. Fish. Brit. Mus. v, 1864, p. 406. South Pacific. Type redescribed and figured by Norman, Ann. Mag. Nat. Hist. (10) iv, 1929, p. 514, fig. 3.

LAMPADENA NOTIALIS

Lampadena notialis Nafpaktitis & Paxton, Los Angeles County Mus. Contrib. Sci. cxxxviii, pp. 4 & 13, figs. 5, 8, & 10. [Tasman Sea, between Australia and N.Z. =] 42°S. x 160°11'E. Long. to 42°08'S. Lat. x 160°05'E. Long. Published 1968.

LAMPADENA SPECULIGERA

Lampadena speculigera Goode & Bean, Spec. Bull. U.S. Nat. Mus. ii (Oceanic Ichth.), 1896, p. 85, pl. xxvi, fig. 99. [N.E. United States of America =] 39°48'N. Lat. x 70°36'W. Long.; 551 fathoms.

Genus MYCTOPHUM

Myctophum Rafinesque, Ind. Ittiol. Sicil., May 1810, pp. 35 and 56, pl. ii, fig. 5. Haplotype, *M. punctatum* Rafinesque.

Scopelus Cuvier, Règne Anim. ed. 1, ii, "1817" = Dec. 1816, p. 169. Logotype, *Serpe humboldti* Risso = *Myctophum punctatum* Raf.

MYCTOPHUM NOVAESEELANDIAE

Scopelus (Myctophum) novaeseelandiae Steindachner, Anzeiger Akad. Wiss. Wien. 37th year, no. xvi, 1900, p. 177; Denkschr. Akad. Wiss. Wien lxx, 1900 (1901), p. 513. N.Z. Type lost (Wahlert, Veroff. Ubersee Mus. Bremen A, ii, 5, 1955, p. 323).

MYCTOPHUM HOOKERI

Scopelus hookeri Whitley, Rec. Austr. Mus. xxiii, 3, Oct. 21, 1953, p. 134. Lord Howe Island.

MYCTOPHUM PHENGODES

Scopelus phengodes Lutken, Vidensk. Medd. Copenhagen (6) vii, 1892, p. 253, fig. 11. Atlantic Ocean.

Note: One specimen (Australian Museum regd. no. IB.3994), 4½ inches long, was washed on the deck of a ship between Sydney and Auckland.

Genus SYMBOLOPHORUS

Symbolophorus Bolin & Wisner, Rept. M. Sars Exped. iv, 2, 1959, p. 11. Orthotype, *Myctophum californiense* Eigenmann & Eigenmann.

SYMBOLOPHORUS BARNARDI

Myctophum humboldti barnardi Taning, Vidensk. Medd. Dansk. naturh. Foren xciv, 1932, p. 128. Cape, Southern Atlantic and Tasman Sea.

Genus GONICHTHYS

Gonichthys Gistel, Isis (Munich) v. 1850, p. 71. Haplotype, *G. loricatus* Lowe.

GONICHTHYS BARNESI

Gonichthys barnesi Whitley, Austr. Zool. x, 2, April 30, 1943, p. 174, fig. 6. Lord Howe Island.

Genus DIAPHUS

- Diaphus* Eigenmann & Eigenmann, Proc. Calif. Acad. Sci. (2) iii, Sept. 1, 1891, p. 3. Orthotype, *D. theta* Eig. & Eig.
Lamprossa Jordan & Hubbs, Mem. Carneg. Mus. x, 2, June 27, 1925, p. 156. Orthotype, *Diaphus anteorbitalis* Gilbert.

DIAPHUS (LAMPROSSA) OSTENFELDI

- Diaphus ostenfeldi* Taning, Vidensk. Med. Dansk. nat. Foren. xciv, July 19, 1932, p. 142, fig. 15. West of N.Z.

Genus COLLETTIA

- Collettia* Goode & Bean, Spec. Bull. U.S. Nat. Mus. ii (Oceanic Ichth.), 1896, pp. 71 & 88. Orthotype, *Nyctophus rafinesquii* Cocco.

COLLETTIA PERSPICILLATA

- Aethoprora perspicillata* Ogilby, Proc. Linn. Soc. N.S.Wales xxiii, June 23, 1898, p. 36. Lord Howe Island.
Diaphus danae Taning, Vidensk. Med. Dansk. nat. Foren. xciv, July 19, 1932, p. 140, fig. 13. North of N.Z.

Genus LAMPANYCTODES

- Lampanyctodes* Fraser-Brunner, Proc. Zool. Soc. Lond. 118, Feb. 1949, p. 1080. Orthotype, *Scopelus hectoris* Gunther.

LAMPANYCTODES HECTORIS

- Scopelus hectoris* Gunther, Ann. Mag. Nat. Hist. (4) xvii, May 1, 1876, p. 399; Trans. N.Z. Inst. ix, 1877, p. 471. Southern side of Cook Strait.

Genus SERPA

- Serpa* Cloquet, Dict. Sci. Nat. xlvi, 1827, p. 190. Logotype, *S. crocodilus* Cloquet, selected by Whitley, Rec. Austr. Mus. xix, 1933, p. 64.

SERPA PECCATUS

- Serpa peccatus* Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxix, 1939, p. 228. N.Z.

SERPA AUSTRALIS

- Lampanyctus alatus australis* Taning, Vidensk. Med. Dansk. nat. Foren. xciv, July 19, 1932, p. 145. Off N.Z., Australia and Cape of Good Hope.

SERPA CONSPICUA

- Serpa conspicua* Whitley, Austr. Zool. xiii, 3, 1936, p. 160, 2 figs. Kaikoura.

SERPA PUSILLA

- Scopelus pusillus* Johnson, Proc. Zool. Soc. Lond. lviii, 1890, pp. 457-458. Madeira.

Genus DIOGENICHTHYS

- Diogenichthys* Bolin, Stanf. Ichth. Bull. i (4), 1939, p. 119. Orthotype, *Myctophum laternatum* Garman.

DIOGENICHTHYS ATLANTICUS

- Myctophum laternatum atlanticum* Taning, Vidensk. Medd. Dansk. nat. Foren., lxxxvi, 1928, p. 56. North Atlantic, Strait of Gibraltar.

Genus CERATOSCOPELUS

- Ceratoscopelus* Gunther, Cat. Fish. Brit. Mus. v, 1864, pp. 405 & 412, as subgenus of *Scopelus*. Haplotype, *Scopelus maderensis* Lowe.

CERATOSCOPELUS TOWNSENDI

- Myctophum townsendi* Eigenmann & Eigenmann, West American Scientist 1889, p. 125 (*vide* McCulloch, Rec. Austr. Mus. xiv, 1923, p. 115, pl. xiv, fig. 2). Cortez Banks, California.

Lampanyctus guntheri Waite, Trans. N.Z. Inst. xlii, 1909 (1910), p. 372, Kermadecs. Not *L. guntheri* Goode & Bean, Spec. Bull. U.S. Nat. Mus. ii (Oceanic Ichth.), 1896, p. 79, fig. 90, from Newfoundland.

Genus GYMNOSCOPELUS

Gymnoscopelus Gunther, Journ. Mus. Godeffroy i, 4, 1873, p. 91. Haplotype, *G. aphyra* Gunther.

GYMNOSCOPELUS PIABILIS

Lampanyctus piabilis Whitley, Rec. Austr. Mus. xviii, March 25, 1931, p. 103, fig. 1. Macquarie Island.

Genus NOTOSCOPELUS

Notoscopelus Gunther, Cat. Fish. Brit. Mus. v, 1864, pp. 405 & 415, as subgenus of *Scopelus*. Logotype, *Lampanyctus resplendens* Richardson, selected by Goode & Bean, Spec. Bull. U.S. Nat. Mus. ii (Oceanic Ichth.), 1896, p. 82.

NOTOSCOPELUS ELONGATUS EJECTUS

Scopelus elongatus Costa, Fauna Regno Napoli, Pesci i, June 1844, *Scopelus* 2 (fide Sherborn, Index Anim.). Naples.

Notoscopelus ejectus Waite, Rec. Austr. Mus. v, 3, March 11, 1904, p. 150, pl. xviii, fig. 2. Lord Howe Island.

NOTOSCOPELUS LONGIPINNIS

Lampanyctus longipinnis Regan, Terra Nova Zool. i, 4, March 25, 1916, p. 140, pl. vi, fig. 9. Off Three Kings Islands.

Genus SCOPELOPSIS

Scopelopsis Brauer, Wiss. Ergebn. Deutsch. Tiefsee Exped. Valdivia xv, 1906, p. 146. Haplotype, *S. multipunctatus* Brauer.

SCOPELOPSIS MULTIPUNCTATUS

Scopelopsis multipunctatus Brauer, Wiss. Ergeb. Deutch. Tiefsee-Exped. Valdivia xv, 1906, p. 146. Off South Africa.

Scopelopsis caudalis Whitley, Rec. Austr. Mus. xviii, April 20, 1932, p. 333. Lord Howe Island.

Note: Rass (Akad. Nauk. CCCP Trudy Inst. Okeanol., xli, 1960, pp. 146-152. figs. 1-2) in a paper in Russian and with a Russian title, maps the occurrences of Myctophidae in New Zealand and to the northward. On page 149, *Lampanyctus hectoris* and other well-recognized species, but, as far as I can make out, the following are listed, their names being different from those in my foregoing list: (p. 148, fig. 2) *Myctophum humboldti*, *M. asperum*, *Lampanyctus alatus*, *Hygophum reinhardti*, *Diogenichthys atlanticus*, *Centrobranchus nigroocellatus* and *Gonichthys cocco*.

See also Rass, Acad. Sci. USSR, Biol. Pacif. Ocean iii, 1967, p. 162, etc.

Bussing (Biol. Antarctic Seas II, 1965, pp. 200, 202, 203 & 207) also mentions as from around New Zealand: *Electrona subaspera* (Gunther), *Lampanyctus pusillus* (Johnson) and other Myctophidae.

Family NOTOSUDIDAE

Genus NOTOSUDIS

Notosudis Waite, Sci. Rept. Austral. Antarct. Exped. (C) iii, 1, June 30, 1916, p. 56. Orthotype, *N. hamiltoni* Waite.

NOTOSUDIS HAMILTONI

Southern Lizard Fish

Notosudis hamiltoni Waite, Sci. Rept. Austral. Antarct. Exped. (C) iii, 1, June 30, 1916, p. 57, pl. v, fig. 2 and text-fig. 12. Macquarie Island.

Family PARALEPIDIDAE

Genus PARALEPIS

Paralepis Bosc, Nouv. Dict. Hist. Nat. ed. 2, xxiv, Sept. 1818, p. 520.
Tautotype, *P. coregonoides* Risso (see Whitley, Rec. Austr. Mus. xx, 1937,
p. 11).

PARALEPIS PRIONOSA

Barracudina

Paralepis atlantica prionosa Rofen, Aquatica ii, 1963, p. 1. Antarctic and
western South Pacific.

PARALEPIS RISSOI

Paralepis rissoi Bonaparte, Icon. faun. ital., 1841, unpag. Italy.

Genus LESTIDIUM

Lestidium Gilbert, Bull. U.S. Fish. Comm. xxiii, 2, 1903 (Aug. 5, 1905)
p. 607. Orthotype, *L. nudum* Gilbert.

LESTIDIUM NUDUM

Lestidium nudum Gilbert, Bull. U.S. Fish. Comm. xxiii, 2, 1903 (Aug. 5,
1905), p. 607, fig. 236. Hawaiian Islands, 283-284 faths.

Note: Recorded from the Kermadecs by Waite.

LESTIDIUM GRACILE

Lestidium gracile Ege, Dana Rept. 40, 1953, pp. 4 *et seq.*, figs. 20 & 23.
East of N.Z. ("Dana" Station 3,642).

LESTIDIUM PSEUDOSPHYRAENOIDES PROGRESSUM

Paralepis pseudosphyraenoides Ege, Kjobenh. Nath. Medd. lxix, 1918, p. 243.
N.E. Atlantic and Mediterranean.

Lestidium pseudosphyraenoides progressum Ege, Dana Rept. 40, 1953, pp. 3
et seq., figs. 17, 21 & 22. North of N.Z. ("Dana" Station 3,630).

Note: *L.p. danae* (Ege), tabulated as coming from N.Z. by Ege, *loc. cit.*
1953, p. 86, actually occurred well outside N.Z. waters.

Genus PRYMNOTHONOIDES

Prymnothonoides Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxix, Sept. 1939,
p. 228. Orthotype, *P. regani* Whitley & Phillipps.

PRYMNOTHONOIDES REGANI

Veiled Barracudina

Prymnothonoides regani Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxix,
Sept. 1939, p. 228, based on "*Prymnothonus*" Regan, Terra Nova Zool.
i, 4, March 25, 1916, p. 138, pl. vii, fig. 3. Off Cape Maria van Diemen;
2 metres.

Genus MACROPARALEPIS

Macroparalepis Ege, Vidd. Medd. nat. Foren. Kjob. xciv, 1933, p. 229.
Logotype, *M. affinis* Ege, *vide* Harry, Pacific Science vii, 1953, p. 231.

MACROPARALEPIS MOLESTUS

Macroparalepis molestus Marshall, Discov. Rept. xxvii, 1955, p. 315, fig. 5.
Near Campbell Island, south of N.Z.

Genus BATHYMICROPS

Bathymicrops Murray & Hjort, Depths of the Ocean, 1912, p. 416. Orthotype,
B. regis Murray & Hjort. Genus and species generally, but wrongly,
attributed to Koefoed, Rept. Sci. Res. Michael Sars Exped. iv, 1, 1927,
p. 64.

BATHYMICROPS BREVIANALIS

Blind Cucumber Fish

Bathymicrops sp. Bruun, Galatheas Jordomsejling, 1953, p. 174, fig. North-east
of N.Z., etc.

Bathymicrops brevipennis Nielsen, Galathea Rept. viii, 1966, pp. 49, 62 & 65, fig. 10. Kermadec Trench; 5,850-5,900 metres (holotype) and Madagascar-Mombassa.

Family ALEPISAUROIDAE
Genus ALEPISAURUS

Alepisaurus Lowe, Proc. Zool. Soc. (Lond.), Oct. 1833, p. 104. Haplotype, *A. ferox* Lowe.

ALEPISAURUS RICHARDSONII

Lancet Fish, Wolf Fish

Alepisaurus richardsonii Bleeker, Verh. K. Akad. Wetensch. Amsterdam ii, 1855, pp. 2 & 10. Van Diemen's Land. Based on *Alepisaurus* sp. Richardson, Voy. Erebus & Terror, Fish., 1845, p. 34, pl. xxii, figs. 1-4. Tasmania.

Family ANGUILLIDAE
Genus ANGUILLA

Anguilla Shaw, Gen. Zool. (Pisces) iv, 1, 1803, p. 15. Tautotype, *Muraena anguilla* Linne. The Prussian *Nomencl. Anim.* quotes Schrank, Fauna Boica, i, 2, 1798, p. 304, and 307 (not seen).

ANGUILLA DIEFFENBACHII

Long-finned Eel, Tuna; Oreá; Reherehe; Kuwharuwharu

Anguilla dieffenbachii Gray, Zool. Miscell., June 1842, p. 73. River Thames, N.Z.
Anguilla aucklandii Richardson, Zool. Voy. Erebus and Terror, Fish 1848, p. 113, pl. xlv, figs. 7-13. Auckland Islands [? = Auckland].
Anguilla waitei Phillipps, N.Z. J. Sci. Tech. viii, 1, Sept. 1925, p. 28, fig. 1. Wellington, Karori, and near Kaikehe, North Island.

ANGUILLA AUSTRALIS SCHMIDTII

Short-finned Eel; Tuna heke, Matamoe, Papakura, Hao, Tahu

Anguilla australis Richardson, Proc. Zool. Soc. Lond. ix, 98, Oct. 1841, p. 22. Port Arthur, Tasmania.
Anguilla schmidtii Phillipps, N.Z. J. Sci. Tech. viii, 1, Sept. 1925, p. 30, fig. 4. Foxton, Wellington.
Anguilla australis orientalis Schmidt, Trans. N.Z. Inst. lviii, March 19, 1928, p. 388. N.Z., Chatham Islands, etc.

Family SIMENCHELYIDAE
Genus SIMENCHELYS

Simenchelys Goode & Bean, Bull. Essex Inst. xi, 1879, p. 27, ex Gill, MS. Orthotype, *Simenchelys parasiticus* Goode & Bean.

SIMENCHELYS PARASITICUS

Parasitic Eel

Simenchelys parasiticus Goode & Bean, Bull. Essex Inst. xi, 1879, p. 27. Offshore from Newfoundland; burrowing in halibut at 200-300 faths. *Id.* Gosline, Journ. Wash. Acad. Sci. xlii, 4, 1952, p. 130, fig. 1.

Family SYNAPHOBRANCHIDAE
Genus SYNAPHOBRANCHUS

Synaphobranchus Johnson, Proc. Zool. Soc., London, 1862, p. 169. Orthotype, *S. kaupii* Johnson.

SYNAPHOBRANCHUS AFFINIS

Synaphobranchus affinis Gunther, Ann. Mag. Nat. Hist. (4) xx, Nov. 1, 1877, p. 445. Off Inosima, Japan.

Genus DIASTOBRANCHUS

Diastobranchus Barnard, Ann. S. Afr. Mus. xiii, 1923, p. 441. Haplotype, *D. capensis* Barnard.

DIASTOBRANCHUS CAPENSIS DANAE

Basketwork Eel

Diastobranchus capensis Barnard, Ann. S. Afr. Mus. xiii, 1923, p. 441. Cape Point, South Africa.

Synaphobranchus danae Bruun, Dana Rept. ix, Jan. 12, 1927, p. 13, pl. i, figs. 1 and 3. East of New Zealand.

Genus HISTIOBRANCHUS

Histiobranchus Gill, Proc. U.S. Nat. Mus. vi, 1883, p. 255. Orthotype, *H. infernalis* Gill.

HISTIOBRANCHUS BRUUNI

Bruun's Eel

Histiobranchus bruuni Castle, Galathea Rept. vii, 1964, pp. 29 & 34, figs. 1 A-C & F. Tasman Sea: 45°51'S. Lat. x 164°32'E. Long., westward of South Island of New Zealand.

HISTIOBRANCHUS BATHYBIUS

Synaphobranchus bathybius Gunther, Ann. Mag. Nat. Hist. (4) xx, Nov. 1, 1877, p. 445. Middle of North Pacific and midway between Cape of Good Hope and Kerguelen's Land.

Note: Recorded from the Kermadec Trench by Castle, Galathea Rept. vii, 1964.

Family MURAENESOCIDAE

Genus PSEUDOXENOMYSTAX

Pseudoxenomystax Breder, Bull. Bingham Oceanogr. Coll. i, 1927, p. 6. Orthotype, *P. dubius* Breder.

Note: Golvan (Ann. Parasito. Hum. et Comp. xxxvii, 6 bis, 1962, fasc. suppl., p. 68) places this genus in Muraenesocidae, but it seems nearer Leptocephalidae, with *Bassanago* at least of subgeneric ranking.

PSEUDOXENOMYSTAX HIRSUTUS

Hairy Eel

Pseudoxenomystax hirsutus Castle, Trans. Roy. Soc. N.Z. lxxxviii, Nov. 1960, p. 463, fig. 1. Oaro, Kaikoura; 430 faths.

Genus BASSANAGO

Bassanago Whitley, Rec. Austr. Mus. xxii, June 30, 1948, p. 71. Orthotype, *B. bulbiceps* Whitley.

BASSANAGO BULBICEPS

Swollen-headed Conger

Bassanago bulbiceps Whitley, Rec. Austr. Mus. xxii, June 30, 1948, p. 71, fig. 2. Bass Strait, Victoria; 200 faths.

Family NETTASTOMIDAE

Genus NETTASTOMA

Nettastoma Rafinesque, Caratt. gen. spec. Sicil., April 1, 1810, p. 66. Haplotype, *N. melanura* Rafinesque.

NETTASTOMA MELANURA

Duckbill Eel

Nettastoma melanura Rafinesque, Caratt. gen. spec. Sicil., April 1, 1810, p. 66, pl. xvi, fig. 1. Sicily.

Note: Larva recorded from south-west of the Kermadec Islands by Castle, Trans. Roy. Soc. N.Z., Zool. v, 7, 1964, p. 80, figs. 1 f-g.

Family LEPTOCEPHALIDAE

Genus GNATHOPHIS

Gnathophis Kaup, Abh. Naturw. Verein Hamburg 1859 (1860) iv, 2, p. 7. Orthotype, *G. heterognathos* Kaup *vide* Jordan, Gen. Fish. iii, 1919, p. 297 = *Myrophis heterognathos* Bleeker, *vide* Castle, 1963.

- Rhynchocymba* Jordan & Hubbs, Mem. Carneg. Mus. x, 2, 1925, p. 195.
 Orthotype, *Leptocephalus nystromi* Jordan & Snyder.
Poutawa Griffin, Trans. Roy. Soc. N.Z. lxvi, Aug. 1936, p. 16. Haplotype,
Congrus habenatus Richardson.

GNATHOPHIS HABENATUS

Little Conger, Silver Eel

- Congrus habenatus* Richardson, Zool. Voy. Erebus & Terror, Fish., 1848,
 p. 109, pl. i, figs. 1-5. Cook's Strait.

GNATHOPHIS INCOGNITUS

- Gnathophis incognitus* Castle, Zool. Publ. Vict. Univ. Wellington 34, July 12,
 1963, p. 15, figs. 7-10. Kaikoura coast; 40-50 faths. Adults from New
 Zealand to Kermadec and near New Caledonia; young from Australia.

Genus LEPTOCEPHALUS

- Leptocephalus* Scopoli, Intr. Hist. Nat. 1777, p. 453. Logotype, *L. morrisii*
 Gmelin = *L. taeniola* Meuschen, the larva of *Muraena* [now *Leptocephalus*]
conger Linn.

LEPTOCEPHALUS VERREAUXI

Conger; Koiro

- Conger verreauxi* Kaup, Arch. Naturg. xxii, 1, 1856, p. 72. Australia (Verreaux).

LEPTOCEPHALUS WILSONI

- Gymnothorax wilsoni* Bloch & Schneider, Syst. Ichth., 1801, p. 529. New
 Holland.

- ?*Conger labiata* Castelnau, Proc. Linn. Soc. N.S.Wales iii, May 1879, pp. 355
 & 396. Port Jackson, New South Wales.

- Leptocephalus mongianus* Phillipps, N.Z. J. Sci. Tech. xiii, 4, Feb. 1932, p. 230.
 Manganui, Doubtless Bay.

LEPTOCEPHALUS ATTENUATUS

- Leptocephalus attenuatus* Castle, Trans. Roy. Soc. N.Z., Zool. v, 7, 1964,
 p. 79, fig. 1, h-i. Between New Zealand and Kermadec Islands.

LEPTOCEPHALUS STENORHYNCHUS

- Leptocephalus stenorhynchus* Castle, Zool. Publ. Vict. Univ. N.Z., xxxvii, 1964,
 p. 31 and Trans. Roy. Soc. N.Z., Zool. v, 7, 1964, p. 81 (S.W. of
 Kermadec Islands).

LEPTOCEPHALUS GIGANTEUS

Giant Larval Eel

- Leptocephalus giganteus* Castle, Trans. Roy. Soc. N. Zeal. lxxxvii, July 1959,
 p. 179, figs. 1-2. Shallow water, South Westland. Type in Dominion Museum.
 Larva about 3 feet long.

LEPTOCEPHALUS larvae

Larval eels of more than one genus

- "*Leptocephalus longirostris* Kaup", Haast, Trans. N.Z. Inst. vii, July 1875,
 p. 238. Ninety Mile Beach.

- "*Leptocephalus altus* Richardson", Hutton, Trans. N.Z. Inst. viii, May 1876,
 p. 215. Dunedin.

- Congrellus* sp. Waite, Trans. N.Z. Inst. xlii, 1910, p. 374. Kermadec Islands.
Leptocephalus spp. of Castle's papers.

Genus FORSKALICHTHYS

- Forskalicthys* Whitley, Rec. Austr. Mus. xviii, 1935, p. 219. Orthotype,
Conger cinereus Ruppell.

FORSKALICHTHYS CINEREUS

- Conger cinereus* Ruppell, Atlas zu Rupp., Reise (Senckenb. Nat. Ges.), Fische,
 1830-31, p. 115, pl. 115, pl. xxix, fig. 1. Red Sea.

- Note: Found S.W. of Kermadecs (Castle, Trans. Roy. Soc. N.Z., Zool., v,
 7, 1964, p. 81).

Family ECHELIDAE
Genus SCOLECENCHELYS

Scolecenchelys Ogilby, Proc. Linn. Soc. N.S.Wales xxii, 2, Oct. 25, 1897, p. 246. Orthotype, *Muraenichthys australis* Macleay.

SCOLECENCHELYS AUSTRALIS

Worm Eel

Muraenichthys australis Macleay, Proc. Linn. Soc. N.S.Wales vi, Sept. 12, 1881, p. 272. Lane Cove, near Sydney, New South Wales.

Genus MURAENICHTHYS

Muraenichthys Bleeker, Nat. Tijdschr. Dierk. ii, 1864, p. 117. Orthotype, *M. gymnopterus* Bleeker.

Aotea Phillipps, Trans. N.Z. Inst. lvi, April 26, p. 533. Haplotype, *A. acus* Phillipps.

MURAENICHTHYS OLIVERI

Muraenichthys oliveri Waite, Trans. N.Z. Inst. xlii, 1910, p. 374, pl. xxv, fig. 2. Kermadec Islands.

MURAENICHTHYS BREVICEPS ACUS, comb. nov.

Needle Eel

Muraenichthys breviceps Griffin, Trans. N.Z. Inst. liii, Aug. 31, 1921, p. 351, pl. liv, fig. 1. Tasman Bay, Nelson, etc. Not *M. breviceps* Gunther, Ann. Mag. Nat. Hist. (4) xvii, May 1, 1876, p. 401. Tasmania.

Aotea acus Phillipps, Trans. N.Z. Inst. lvi, April 26, 1926, p. 534, pl. xc. Cook Strait, N.Z.—from stomach of Snapper.

Muraenichthys breviceps halituna Whitley, Austr. Zool. xii, 2, July 18, 1955, p. 110. Tasman Bay.

Family OPHICHTHYIDAE

Genus LEPTOGNATHUS

Leptognathus Swainson, Nat. Hist. Classif. Fish. Amphib. Rept. i, Oct. 1838, p. 221; *ibid.* ii, July 1839, pp. 196 & 334. Haplotype, *L. oxyrhynchus* Swainson.

LEPTOGNATHUS NOVAEZELANDIAE

Snake Eel

Ophisurus novaezealandiae Hector, Trans. N.Z. Inst. ii, April 1870, p. 34, pl. iii. Near Makaraka, Poverty Bay, N.Z.

Family NEMICHTHYIDAE

Genus BORODINULA

Borodinula Whitley, Austr. Zool. vi, 1931, p. 334. Orthotype, *Nemichthys infans* Gunther.

BORODINULA GILLI

Avocet Eel

Labichthys gilli Bean, Proc. U.S. Nat. Mus. xiii, July 1, 1890, p. 45. Alaska. *Avocettina* sp. Richardson, Wellington Post, April 23, 1957, with fig. and Cox, People, Feb. 5, 1958, pp. 28 & 29. Cook Strait.

BORODINULA INFANS

Nemichthys infans Gunther, Ann. Mag. Nat. Hist. (5) ii, Sept. 1, 1878, p. 251. Mid-Atlantic; 2,500 faths.

Genus NEMICHTHYS

Nemichthys Richardson, Zool. Voy. Samarang, Fish., 1848, p. 25. Haplotype, *N. scolopacea* Richardson.

NEMICHTHYS SCOLOPACEUS

Snipe Eel

Nemichthys scolopacea Richardson, Zool. Voy. Samarang, Fish., 1848, p. 25, pl. x, figs. 1-3. Southern Atlantic.

Family CYEMIDAE

Genus CYEMA

Cyema Gunther, Ann. Mag. Nat. Hist. (5) ii, 1878, p. 251. Haplotype, *C. atrum* Gunther.

CYEMA ATRUM

Arrow Eel

Cyema atrum Gunther, Ann. Mag. Nat. Hist. (5) ii, 1878, p. 251. Pacific and Antarctic; 1,500 and 1,800 fathoms.

Family SERRIVOMERIDAE

Genus SERRIVOMER

?*Oxystomus* Rafinesque, Ind. ittiol. Sicil., May 1810, pp. 49 & 62. Haplotype, *O. hyalinus* Rafinesque. Generic name preoccupied.

Serrivomer Gill & Ryder, Proc. U.S. Nat. Mus. vi, Nov. 27, 1883, p. 260. Orthotype, *S. beanii* Gill & Ryder.

?*Bertinulus* Whitley, Rec. Austr. Mus. xxii, 1948, p. 73. Orthotype, *O. hyalinus* Rafinesque.

SERRIVOMER BERTINI

Serrivomer bertini Bauchot, Dana Rept. 48, June 20, 1959, p. 132. N.S.Wales, New Zealand, Pacific and Indian Oceans ("Dana" Expedition).

SERRIVOMER SAMOENSIS

Serrivomer samoensis Bauchot, Dana Rept. 48, June 20, 1959, p. 134. South Pacific Ocean, 11°S. lat. x 172°37'W. long., over 4,780 metres ("Dana" Station 3587).

Family MURAENIDAE

Genus VERDITHORAX

Verdithorax Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 311. Orthotype, *Muraena prasina* Richardson.

VERDITHORAX PRASINUS

Green Eel

Muraena prasina Richardson, Zool. Voy. Erebus & Terror, Fish. 1848, p. 93. "Bondy Bay, near Sidney", New South Wales.

Muraena krullii Hector, Trans. N.Z. Inst. iv, 1877, p. 468, pl. viii, fig. 107a. Bay of Islands.

Genus SERRANGUILLA

Serranguilla Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxxix, Sept. 1939, p. 228. Orthotype, *Gymnothorax prionodon* Ogilby.

SERRANGUILLA PRIONODON

Sawtooth Eel

Gymnothorax prionodon Ogilby, Proc. Linn. Soc. N.S.Wales (2) ix, 4, March 28, 1895, p. 720. Port Jackson, N.S.Wales. Type in Australian Museum.

Genus LYCODONTIS

Lycodontis McLelland, Calcutta J. Nat. Hist. v, 18, July 1844, pp. 158 & 173; altered to *Strophidon* on p. 202. Logotype, *L. literata* McLelland.

LYCODONTIS THYRSOIDEA

Moray, Reef Eel

Muraena thyrsoidea Richardson, Zool. Sulphur 1845, p. 111, pl. xlix, fig. 1. Canton, China.

Note: Recorded from the Kermadec Is. by Waite.

LYCODONTIS EUPTERA

Muraena euptera Gunther, Cat. Fish. Brit. Mus. viii, 1870, p. 122. Raoul Island, Kermadecs (MacGillivray).

LYCODONTIS GRIFFINI

Gymnothorax griffini Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxi, Sept. 1939, p. 229. New name for *G. meleagris* Griffin, Trans. N.Z. Inst. lvi, Sept. 1927, p. 138, pl. x, fig. 2. White Id., Bay of Plenty. Not *G. meleagris* Shaw & Nodder, Nat. Miscell. vii, Sept. 1, 1795, pl. 220 from "the southern ocean."

LYCODONTIS NUBILA

Muraena nubila Richardson, Zool. Voy. Erebus & Terror, Fish., 1848, p. 81, pl. xlvi, figs. 6-10. Norfolk Island.

LYCODONTIS RAMOSA

Gymnothorax ramosus Griffin, Trans. N.Z. Inst. lvi, April 26, 1926, p. 539, pl. xciv. Whangaroa and near Bay of Islands and North Auckland.

Genus UROPTERYGIUS

Uropterygius Ruppell, Neue Wirbelth. Abyssin. Fische, 1838, p. 83. Haplotype, *U. concolor* Ruppell.

UROPTERYGIUS OBESUS

Uropterygius obesus Whitley, Rec. Austr. Mus. xviii, 6, April 20, 1932, p. 329, pl. xxix, fig. 1. Montague Id., N.S.Wales; 70 faths.

Muraena tuhua Griffin, Trans. N.Z. Inst. lxiii, Feb. 28, 1933, p. 171, pl. xxiv, fig. 2. Tuhua = Mayor Id., Bay of Plenty.

UROPTERYGIUS SHIRLEYI

Muraena shirleyi Griffin, Trans. N.Z. Inst. lxiii, Feb. 28, 1933, p. 172, pl. xxiv, fig. 1. Off Mokohinau Is., Auckland.

Family NOTOCANTHIDAE

Genus NOTOCANTHUS

Notocanthus Bloch, Abhandl. Bohm. Gesells. i, 1788, p. 278. Haplotype, *N. chemnitzii* Bloch.

NOTOCANTHUS SEXSPINIS

Spineback

Notocanthus sexspinis Richardson, Zool. Voy. Erebus and Terror, Fish., 1846, p. 54, pl. xxxii, figs. 4-11. King George's Sound, Western Australia.

Family MACRORAMPHOSIDAE

Genus MACRORAMPHOSUS

Macroramphosus Lacepede, Hist. Nat. Poiss. v, 1803, p. 136. Haplotype, *Silurus cornutus* Gmelin, 1789.

MACRORAMPHOSUS ELEVATUS

Snipe Fish

Macroramphosus scolopax var. *elevatus* Waite, Austr. Mus. Mem. iv, Dec. 23, 1899, p. 59, pl. vii, fig. 1. Port Hacking to Broughton Island, N.S.Wales.

Genus CENTRISCOPS

Centriscops Gill, Proc. Acad. Nat. Sci. Philad. v, 1862, p. 234, footnote. Haplotype, *Centriscus humerosus* Richardson.

CENTRISCOPS HUMEROSUS

Bellows Fish

Centriscus humerosus Richardson, Zool. Voy. Erebus and Terror, Fish, 1846, p. 56, pl. xxxiv, figs. 5-6. South Australia.

Centriscops humerosus var. *obliquus* Waite, Rec. Canterb. Mus. i, 3, June 24, 1911, p. 170, pl. xxvi. N.Z.

CENTRISCOPS SINUOSUS

Centriscops sinuosus Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1, 1914, p. 21. N.Z. (Hutton).

Genus NOTOPOGON

Notopogon Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1, 1914, pp. 14, 18 & 20. Logotype, *N. lilliei* Regan, selected by Whitley, Fish. N.S.W. (McCulloch) ed. 3, 1934, the selection of *schoteli* by earlier authors was invalid because that species was not mentioned by Regan, p. 14.

NOTOPOGON XENOSOMA

Notopogon xenosoma Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1, 1914, p. 14. Cape North, N.Z. ("Terra Nova").

Centriscops cristatus McCulloch, Biol. Res. Endeavour ii, July 3, 1914, p. 93. N.Z.

NOTOPOGON LILLIEI

Notopogon lilliei Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1, 1914, p. 14. N.Z. ("Terra Nova").

Centriscops cristatus McCulloch, Biol. Res. Endeavour ii, July 3, 1914, p. 93. N.Z.

Family SYNGNATHIDAE

Genus NOVACAMPUS

Novacampus Whitley, Austr. Zool. xii, 2, July 18, 1955, p. 110. Orthotype, *Syngnathus norae* Waite.

NOVACAMPUS NORAE

Pipefish

Syngnathus pelagicus Hector, Proc. Wellington Philos. Soc. 1898-99 (before June 1899), pp. 5 and 14. Queen Charlotte Sound. Record only. Not *S. pelagicus* Linne, Syst. Nat. ed. 10, 1758, p. 337.

Syngnathus norae Waite, Proc. N.Z. Inst. 1910, i, Sept. 10, 1910, p. 25 and Rec. Canterb. Mus. i, 3, 1911, p. 173, pl. xxvii, fig. 1. Stewart Island to Pegasus Bay, S. Island of N.Z.

Genus LEPTONOTUS

Leptonotus Kaup, Archiv. Naturg. xix, 1, 1853, p. 232. Virtual haplotype, *L. blainvillei* Kaup.

LEPTONOTUS BLAINVILLEANUS

Short-snouted Pipefish

Syngnathus blainvilleanus Eydoux and Gervais, Magasin de Zool. vii, 1837, p. 3; Voy. Favorite, Poiss. 1839, p. 79, pl. xxxii. "Habitat mare Indicum".

Leptonotus blainvillei Kaup, Arch. Naturg. xix, 1, 1853, p. 232. New name for *Syngnathus blainvillianus* Eydoux and Gervais.

LEPTONOTUS ELEVATUS

Doryichthys elevatus Hutton, Fish. N.Z., Feb. 1872, p. 68. Wellington Harbour.

Genus CAMPICHTHYS

Campichthys Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 313. Orthotype, *Ichthyocampus tryoni* Ogilby.

CAMPICHTHYS FILUM

Ichthyocampus filum Gunther, Cat. Fish. Brit. Mus. viii, 1870, p. 178.

Type-locality, Bay of Islands, selected by Whitley, Austr. Zool. vi, 1931, p. 313.

Genus STIGMATOPORA

Stigmatopora Kaup, Arch. Naturg. xix, 1, 1853, p. 233. Logotype, *Syngnathus argus* Richardson.

STIGMATOPORA LONGIROSTRIS

Stigmatophora longirostris Hutton, Fish N.Z., Feb. 1872, p. 69. Wellington Harbour.

Genus SOLEGNATHUS

Solegnathus Swainson, Nat. Hist. Classif. Fish. Amphib. Rept. ii, July 1839 pp. 195 and 333. Haplotype, *Syngnathus hardwickii* Gray.

SOLEGNATHUS ROBUSTUS NASO

Solegnathus robustus McCulloch, Zool. Res. Endeav. i, 1911, p. 28, pl. ix, fig. 2. Off Flinders Island, South Australia.

Solegnathus robustus naso Whitley, Austr. Zool. x, 1, Dec. 19, 1941, p. 17. Fish market, Auckland.

SOLEGNATHUS SPINOSISSIMUS

Spiny Sea Horse

Solenognathus spinosissimus Gunther, Cat. Fish. Brit. Mus. viii, 1870, p. 195. Tasmania.

Genus MACLEAYINA

Macleayina Fowler, Proc. Acad. Nat. Sci. Philad. lix, 3, 1907 (1908), p. 426. Orthotype, *H. bleekeri* Fowler.

MACLEAYINA ABDOMINALIS

Seahorse; Kiore

Hippocampus abdominalis Lesson, Bull. Sci. (Ferussac) xi, 1827, p. 127, *vide* Sherborn, Index Anim. N.Z. *Id.* Lesson, Mem. Soc. Hist. Nat. (Paris) iv, Sept. 1828, p. 411 and Voy. Coquille Zool. 1829, pp. 73 and 125. "Baie des Iles ou Marien".

Family FISTULARIIDAE

Genus FISTULARIA

Fistularia Linne, Syst. Nat. ed. 10, 1758, p. 312. Haplotype, *F. tabacaria* Linne.

FISTULARIA PETIMBA

Flutemouth

Fistularia petimba Lacepede, Hist. Nat. Poiss. v, 1803, p. 349. New Britain and Reunion (Commerson) and other locs. from literature.

FAMILY SCOMBERESOCIDAE

Genus SCOMBERESOX

Scomberesox Lacepede, Hist. Nat. Poiss. v, 1803, pp. 344. Haplotype, *S. camperii* Lacepede.

Sayris Rafinesque, Caratt. Alc. N. Gen. Spec. Sicil., Apr. 1, 1810, p. 60. Type, *Sayris recurvirostra* Rafinesque.

SCOMBERESOX FORSTERI

Skipper; Skipjack

Esox saurus Bloch and Schneider, Syst. Ichth. 1801, p. 394 (ref. to Forster only). N.Z. *Id.* Forster, Desc. Anim. 1844, p. 143. Not *Salmo saurus* Linne, Syst. Nat. ed. 10, 1758, p. 310. Washed up on N.Z. beaches after storms.

Sairis scombroides Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 221; Rept. 12th meet B.A.A.S. 1842 (late 1843) p. 26, *ex Esox scombroides* Solander, MS. and *Esox saurus* Forster, MS., *all nomina nuda*. Dusky Bay and sea between N.Z. and N. Holland.

Esox scombroides Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 221, *ex* Solander MS. Dusky Bay and Sea between N.Z. and N. Holland.

Scombresox forsteri Cuv. & Val., Hist. Nat. Poiss. xviii, 1846, p. 481; ed. 2, p. 357. N.Z. (Forster).

Family HEMIRAMPHIDAE

Genus REPORHAMPHUS

Reporhamphus Whitley, Austr. Zool. vi, 4, Feb. 13, 1931, p. 314. Orthotype, *Hemirhamphus australis* Steindachner.

REPORHAMPHUS IHI

Garfish; Piper; Takeke; Ihi

Hyporhamphus ihi Phillipps, N.Z. J. Sci. Tech. xiii, 4, Feb. 1932, p. 230. Wellington.

Genus EULEPTORHAMPHUS

Euleptorhamphus Gill, Proc. Acad. Nat. Sci. Philad. 1859 (1860), p. 156. Haplotype *E. brevoortii* Gill.

EULEPTORHAMPHUS LONGIROSTRIS

Long-billed Piper

Hemiramphus longirostris Cuvier, Regne Anim. ed. 2. ii, April 1829, p. 286, footnote: "Indes". Based on "Kuddera C." Russell, Fish. Vizag., pl. 178 from Pondicherry.

Notes: Kermadecs—Waite (*Arrhamphus sclerolepis* Gunther (Cat. Fish. Brit. Mus. vi, 1866, p. 277) was described from "New Zealand?" but is really Australian).

FAMILY OXYPHORHAMPHIDAE

Genus OXYPORHAMPHUS

Oxyporhamphus Gill, Proc. Acad. Nat. Sci. Philad. 1863 (1864), p. 273. Orthotype, *Hemirhamphus cuspidatus* Cuv. & Val.

Evolantia Heller and Snodgrass, Proc. Wash. Acad. Sci. vi, Sept. 12, 1903, p. 189. Haplotype *Exocoetus micropterus* Cuv. & Val.

OXYPORHAMPHUS MICROPTERUS

Small-winged Flying Fish; Maroro

Exocoetus micropterus Cuv. & Val., Hist. Nat. Poiss. xiv, "1846" = May 1847, p. 127; ed. 2, p. 92, pl. 529. King George's Sound, W. Australia; Carteret Harbour, New Ireland; near Bourou, East Indies and Malabar, India.

Family EXOCOETIDAE

Genus CYP SILURUS

Cypsilurus Swainson, Nat. Hist. Class. Fish., Amphib. Rept. i, Oct. 1838, p. 299; *ibid.* ii, July 1839, pp. 187 and 296. Haplotype, *C. appendiculatus* Sw. = *Exocoetus appendiculatus* Wood.

CYP SILURUS SPILONOPTERUS

Flying Fish

Exocoetus spilonopterus Bleeker, Nederl. Tijdschr. Dierkunde iii, 1866, p. 113. Sumatra, East Indies.

CYP SILURUS SUBPELLUCENS

Exocoetus subpellucens Richardson, Trav. N.Z. (Dieffenbach), ii, Jan. 1843, p. 221. *Nom. nud.* N.Z.

Esox subpellucens Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 221. *Nom. nud.*, ex Solander MS. N.Z.

(A "bearded" post-larval form of some flying-fish).

CYP SILURUS MELANOCERCUS

Exocoetus melanocercus Ogilby, Proc. Linn. Soc. N.S.Wales, x, June 4, 1885, p. 123. Port Jackson, N.S.Wales.

Genus DANICHTHYS

Danichthys Bruun, J. Linn. Soc. Lond. xxix, Zool., 1934, p. 135. Orthotype, *Exocoetus rondeletii* Cuv. & Val.

DANICHTHYS CRIBROSUS

[*Exocoetus*] *cribrosa* Kner, Reise Novara, Fische, iii, 1867, p. 325. Sydney.

DANICHTHYS ILMA

Exocoetus ilma Clarke, Trans. N.Z. Inst. xxi, June 1899, pp.92 & 94, pl. vi. 80 to 100 miles due west of N.Z.; Westland, Hokitika and Taranaki.

Genus HIRUNDICHTHYS

Hirundichthys Breder, Bull. Bingham Oceanogr. Coll. (2) ii, 1928, pp. 14 & 20. Orthotype, *Exocoetus rubescens* Rafinesque.

HIRUNDICHTHYS SPECULIGER

Exocoetus speculiger Cuvier & Valenciennes, Hist. Nat. Poiss. xix, "1846" = May, 1847, p. 94; ed. 2, p. 69. "Mers des Indes".

FAMILY CORYPHAENOIDIDAE

Genus CETONURUS

Cetonurus Gunther, Rept. Voy. Challenger, Zool., xxii, pref. Aug. 1, 1887 pp. 125 and 143. Haplotype, *Coryphaenoides crassiceps* Gunther.

CETONURUS CRASSICEPS

Thickhead

Coryphaenoides crassiceps Gunther, Ann. Mag. Nat. Hist. (5) ii, July 1, 1878, p. 25. North of Kermadec Island, 520-650 faths.

Macrurus crassiceps Gunther, Rept. Voy. Challenger, Zool. xxii, 1887, p. 143, pl. xxxvii.

Macrurus globiceps Filhol, La Nature, 1884, p. 185, fig. 2, and Nature xxix, March 20, 1884, p. 485, fig. 1, ex Vaillant, MS.—*fide* Zool. Rec. 1884, p. 29. "All our oceans"; 1500-3000 metres ("Talisman").

Genus PARAMACRURUS

Paramacrurus Bleeker, Versl. Akad. Amsterdam (2) viii, 1874, p. 370. Orthotype, *Lepidoleprus australis* Richardson.

PARAMACRURUS AUSTRALIS

Whiptail, Javelin Fish, Grenadier, Rat-tail

Lepidoleprus australis Richardson, Proc. Zool. Soc. Lond. vii, Nov. 1839, p. 100. Port Arthur, Tasmania.

Genus OXYGADUS

Oxygadus Gilbert & Hubbs, Bull. U.S. Nat. Mus. 100, i, 7, 1920, pp. 370 & 515. Orthotype, *Coelorhynchus parallelus* Gunther.

Oxygadus Jordan, Gen. Fish. iv, Aug. 15, 1920, p. 570, ex Gilbert & Hubbs, MS. Orthotype, *Macrurus parallelus* Gunther.

OXYGADUS KERMADECUS

Coelorhynchus kermadecus Jordan & Starks, Bull. U.S. Fish. Comm. xxii, Aug. 13, 1904, pp. 618 and 619. New name for *Macrurus parallelus* Gunther, Rept. Voy. Challenger, Zool. xxii, 1887, p. 125, pl. xxix, fig. A., only. Kermadec Islands. Not typical *M. parallelus* Gunther, Ann. Mag. Nat. Hist. (4) xx, Nov. 1, 1877, p. 439 from Inoshima, Japan. (Gilbert & Hubbs said "The specimens from New Zealand perhaps represent a third species".)

Genus CORYPHAENOIDES

Coryphaenoides Gunner, Trondhiemska Selsk. Skrift. iii, 1765, pp. 50 & 58. Haplotype, *Coryphaenoides rupestris* Gunner.—*fide* Sherborn.

CORYPHAENOIDES RUDIS

Coryphaenoides rudis Gunther, Ann. Mag. Nat. Hist. (5) ii, July 1878, p. 24. Pacific, north of Kermadec Island, 500-650 fathoms.

Macrurus rudis Gunther, Rept. Voy. Challenger, Zool. xxii, 1887, p. 131, pl. xxvii. North of the Kermadec Islands. Largest figured specimen designated as type by Gilbert and Hubbs, Proc. U.S. Nat. Mus. li, 1916, p. 144.

CORYPHAENOIDES SERRULATUS

Coryphaenoides serrulatus Gunther, Ann. Mag. Nat. Hist. (5) ii, July 1, 1878, p. 26. North-east of N.Z., 700 faths. ("Challenger" Stn. 169). Figured as *Macrurus serrulatus* Gunther, Rept. Voy. Challenger, Zool. xxii, 1886, p. 133, pl. xxx, fig. a.

Genus COELORINCHUS

Coelorinchus Giorna, Mem. Acad. Sci. Turin, 1805-8 (1809), p. 179. Type, *C. laville* Giorna.

COELORINCHUS OLIVERIANUS

Javelin Fish

Coelorhynchus oliverianus Phillipps, Trans. N.Z. Inst. Iviii, Aug. 15, 1927, p. 125, pl. iii, fig. 1. Island Bay.

COELORINCHUS ASPERCEPHALUS

Coelorhynchus aspercephalus Waite, Rec. Canterb. Mus. i, 3, June 24, 1911, p. 178, pl. xxix, fig. 2. N.Z. Govt. Trawling Stations.

Genus GARICHTHYS

Garichthys Whitley, Fish. N.S.W. (A. R. McCulloch) ed. 3, 1934. Orthotype, *Coelorhynchus (Paramacrus) mirus* McCulloch.

GARICHTHYS FASCIATUS

Macrurus fasciatus Gunther, Ann. Mag. Nat. Hist. (5) ii, July 1, 1878, p. 24. Western Coast of southernmost South America, 120-245 faths.
Note: Chatham Is. (Moreland, 1957).

GARICHTHYS MIRUS

Coelorhynchus (Paramacrus) mirus McCulloch, Biol. Res. Endeavour, v, 4, June 8, 1926, p. 178, pl. xlvi. East of Sydney, N.S.W., 150 faths.
Note: Chatham Islands (Moreland, 1957).

Genus NEZUMIA

Nezumia Jordan & Starks, Bull. U.S. Fish. Comm. xxii, 1902 (1904) p. 620. Orthotype, *N. condylura* Jordan & Gilbert.

NEZUMIA NIGROMACULATA

Macrourus nigromaculatus McCulloch, Rec. Austr. Mus. vi, 5, July, 18, 1907, p. 346, pl. lxiii, figs. 1-1a. 35 miles east of Sydney, New South Wales; 800 faths.

Note: Chatham Is. (Moreland, 1957).

Genus FUYANGIA

Chalinura Goode & Bean, Bull. Mus. Comp. Zool. x, 1883, p. 198. Haplotype, *C. simula* Goode and Bean.

Preoccupied by *Chalinora* Dalman in Arachnida.

Fuyangia Whitley, Austr. Zool. vi, 4, Feb. 13, 1931, p. 334. New name for *Chalinura* Goode and Bean, preoccupied. Orthotype, *C. simula* Goode and Bean.

FUYANGIA MURRAYI

Coryphaenoides murrayi Gunther, Ann. Mag. Nat. Hist. (5) ii, July 1, 1878, p. 26. East of N.Z.; 1,100 fathoms.

Macrurus murrayi Gunther, Rept. Voy. Challenger, Zool. xxii, 1887, p. 146, pl. xxxiv, fig. A.

Genus TRACHYRINCUS

Trachyrincus Giorna, Mem. Acad. Sci. Turin 1805-8 (1809), p. 179. Tautotype, *Lepidoleprus trachyrincus* Risso.

TRACHYRINCUS LONGIROSTRIS

Macrurus longirostris Gunther, Ann. Mag. Nat. Hist. (5) ii, July 1, 1878, p. 23. North-east of N.Z.; 700 fathoms.

Trachyrhynchus longirostris Gunther, Rept. Voy. Challenger, Zool. xxii, 1887, p. 153, pl. xli, fig. B.

Genus LEPIDORHYNCHUS

Lepidorhynchus Richardson, Zool. Voy. Erebus and Terror, Fish. 1846, p. 53.
Haplotype, *Macrourus denticulatus* Richardson.

LEPIDORHYNCHUS DENTICULATUS

Deepsea Whiptail

Macrourus denticulatus Richardson, Zool. Voy. Erebus and Terror, Fish. 1846, p. 53, pl. xxxii, figs. 1-3. South Australia.

Genus NEMATONURUS

Nematonurus Gunther, Rept. Voy. Challenger Zool., xxii, 1887, pp. 124 & 150. Logotype, *Macrurus armatus* Hector.

NEMATONURUS ARMATUS

Threadtail

Macrurus armatus Hector, Ann. Mag. Nat. Hist. (4) xv, 1875, p. 81 and Trans. N.Z. Inst. vii, June 1875, p. 249, pl. xi, fig. 78a. Off Cape Farewell; 400 faths. ("Challenger" Exped.)

Coryphaenoides variabilis Gunther, Ann. Mag. Nat. Hist. (5) ii, July 1, 1878, p. 27. Between Cape of Good Hope & Kerguelen Land; south of Australia; mid-Pacific, and Juan Fernandez.

Coryphaenoides gigas Vaillant, Exp. Sci. Trav. Talism., Poiss., 1888, p. 232, pl. xx, fig. 2. North Atlantic; 4,165 and 4,255 metres.

Genus BATHYGADUS

Bathygadus Gunther, Ann. Mag. Nat. Hist. (5) ii, July 1, 1878, p. 23. Haplotype, *B. cottoides* Gunther.

BATHYGADUS COTTOIDES

Bathygadus cottoides Gunther, Ann. Mag. Nat. Hist. (5) ii, July 1, 1878, p. 23; Rept. Voy. Challenger, Zool., xxii, 1887, p. 154, pl. xlii, fig. A. Deep sea between N.Z. and Kermadec Is.. 520 to 700 faths.

Note: Mr. Charles McCann has a number of new records of species of this family to be published. Rass (Acad. Sci. USSR, Biol. Pacif. Ocean iii, 1967, pp. 200 et seq.) discusses New Zealand and Pacific Coryphaenoididae.

Family MERLANGIIDAE

Genus MACRURONUS

Macruronus Gunther, Zoological Record viii, pref. May, 1873, p. 103. Orthotype, *Coryphaenoides novaezelandiae* Hector.

MACRURONUS NOVAEZELANDIAE

Hoki

Coryphaenoides novaezelandiae Hector, Trans. N.Z. Inst. iii, May 1871, p. 136, pl. xviii, fig. 1. Off Ward Id., Port Nicholson. [Barbel omitted from figure and a dangling branchiostegal ray figured instead *teste* J. Moreland.]

Genus MERLANGIUS

Merlangius Geoffroy, Descr. 719 Plantes & 134 Animaux, 1767, p. 401, pl. dclxi. Logotype, *Gadus merlangus* Linne, designated by Whitley, Rec. Austr. Mus. xxii, 1948, p. 83.

?*Merlus* Guichenot in Gay, Chili (Peces), 1849, p. 329, *ex* Cuvier, vernac. Haplotype, *M. gayi* Guichenot. Preocc. by *Merlus* Freshaye, Mag. Zool. ii, 1838, pl. iv, a genus of birds.

?*Epicopus* Gunther, Cat. Fish. Brit. Mus. ii, 1860, pp. 232 & 248. Haplotype, *Merlus gayi* Guichenot.

Huttonichthys Whitley, Mem. Qld. Mus. xi, 1937, p. 122. Orthotype, *Gadus australis* Hutton.

MERLANGIUS (HUTTONICHTHYS) AUSTRALIS

Whiting, Haddock

Gadus australis Hutton, Cat. Fish. N.Z., Feb. 1872, pp. 45 & 115, pl. vii, fig. 72. Cook Straits.

Family GADIDAE
Genus HALARGYREUS

Halargyreus Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 342. Haplotype,
H. johnsonii Gunther.

HALARGYREUS JOHNSONII

Cod

Halargyreus johnsonii Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 342.
Madeira.

Note: A dry specimen from N.Z. was regarded as this species by Gunther
(Rept. Voy. Challenger, xxvi). See Templeman, 1968.

Genus PHYSICULUS

Physiculus Kaup, Arch. Naturges. (Wiegmann) xxiv, 1, 1858, p. 88. Orthotype,
P. dalwigkii Kaup.

Pseudophycis Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 350. Haplotype,
Lota breviuscula Richardson.

PHYSICULUS (PSEUDOPHYCIS) BACHUS

Red Cod; Hoka

Enchelyopus bachus Bloch and Schneider, Syst. Ichth. 1801, p. 53. N.Z. =
South Island.

G[adus] b[achus] Bloch and Schneider, Syst. Ichth. 1801, p. 53, *ex* Forster,
MS. N.Z. [= South Island].

Lota baccha Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 221.
Murderer's Bay, Queen Charlotte Sound.

Gadus rubiginosus Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 221,
ex Solander MS. Murderer's Bay, Queen Charlotte Sound.

Blennius venustus Richardson, Trav. N.Z. (Dieffenbach), ii, Jan. 1843, p. 222;
Rept. 12th meet. Brit. Assn. Adv. Sci. 1842 (late 1843) p. 27, *ex* Parkinson,
MS. Ship Cove.

Brosmius venustus Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 222;
Rept. 12th meet. B.A.A.S. 1842 (1843) p. 27, *ex* *Blennius venustus*
Parkinson, MS. Ship Cove.

Blennius rubiginosus Richardson, Rept. 12th meet. Brit. Assn. Adv. Sci. 1842,
(late 1843), p. 27. *Nomen nudum*, *ex* Solander, MS. Tolaga Bay.

Gadus bacchus Forster, Descr. Anim. (ed. Lichtenstein) 1844, p. 120. South
Island.

PHYSICULUS (PSEUDOPHYCIS) BREVIUSCULUS

Bastard Red Cod

Lota breviuscula Richardson, Voy. Erebus & Terror, Fish., 1846, p. 61, pl.
xxxviii, figs. 1-2. Bay of Islands.

Phycis richardsoni Kaup, Arch. Naturg. 24(1), 1858, p. 89. New Zealand.

Genus LOTECLA

Lotella Kaup, Archiv. Naturges. (Wiegmann) xxiv, 1, 1858, p. 88. Haplotype,
L. schlegeli Kaup.

LOTECLA RHACINA

Rock Cod, Southern Hake

Gadum rhacinum Bloch & Schneider, Syst. Ichth. 1801, p. 56. Name, in
accusative case, *ex* Forster, MS., as a variety of *Phycis tinca* Bloch &
Schneider, N.Z. [type-loc. Queen Charlotte Sound.]

Lota rhacina Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 222
Queen Charlotte Sound.

Gadus rhacinus Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 222,
ex Forster, MS. Queen Charlotte Sound.

Genus MORA

Mora Risso, Hist. Nat. Europe Merid. iii, 1826, p. 224. Haplotype, *Mora*
mediterranea Risso.

MORA PACIFICA

Googley-eyed Cod; Ribaldo

Mora pacifica Waite, Trans. N.Z. Inst. xlvii, June 15, 1914, p. 128, pl. v. Kaikoura, S.I. of N.Z.; 200 fathoms.

Genus LEPIDION

Lepidion Swainson, Nat. Hist. Classif. Fish. Amphib. Rept. i, October 1838, p. 318. Tautotype, *Gadus lepidion* Risso, equals *L. rissoii* Swainson.

LEPIDION MICROCEPHALUS

Lepidion microcephalus Cowper, Pacific Science x, 1956, p. 407, figs. 1-2. East of Tasmania. 400-420 fathoms.

Lepidion sp. Anon., Dominion (Wellington newspaper), Sept. 3, 1957, p. —, fig. Palliser Bay.

Family GAIDROPSARIDAE

Genus GAIDROPSARAS

Gaidropsaras Rafinesque, Ind. Ittiol. Sicil., 1810, p. 51. Haplotype, *G. mustellaris* Rafinesque = *Gadus mustela* Linne.

GAIDROPSARAS NOVAEZELANDIAE

Rock Ling

Motella pacificus Hector, 9th. Ann. Rept. Colon. Mus., 1874, p. 8. N.Z. Not of Temminck & Schlegel, 1846, from Japan.

Motella novaezealandiae Hector, Trans. N.Z. Inst. vi, June 1874, p. 107, pl. xviii, fig. 76b. Cape Campbell.

Onos novaezealandiae Hutton, Index Faun. N.Z., 1904, p. 48.

Family BREGMACEROTIDAE

Genus AUCHENOCEROS

Calloptilum Hutton, Trans. N.Z. Inst. v, May 1873, p. 266, ex Richardson. Haplotype, *C. punctatum* Hutton. Not *Calloptilum* Richardson, *sensu stricto*.

Auchenoceros Gunther, Rept. Voy. Challenger, Zool. xxxi, 1889, Pelag. Fish., p. 24. New name for *Calloptilum* Hutton non Richardson. Haplotype, *C. punctatum* Hutton.

AUCHENOCEROS PUNCTATUS

Ahuru; Ahuruhuru

Calloptilum punctatum Hutton, Trans. N.Z. Inst. v, May 1873, pp. 241 & 267, pl. xi. Mouth of Thames River and Cape Campbell.

Family MELAMPHAIDAE

Genus SIO

Sio Moss, Dana Report 56, March 30, 1962, p. 3. Orthotype, *Melamphaes nordenskjoldii* Lonnberg.

SIO NORDENSKJOLDII

Melamphaes nordenskjoldii Lonnberg, Wiss. Ergeb. schwed. Sudpolarexped. v(6), 1905, p. 58. [Well to the south-east of South America=] 49°56'S. by 49°56'W.; 2,700 metres.

Genus SCOPELOGADUS

Scopelogadus Vaillant, Exped. Travailleur & Talisman, Poissons, 1888, p. 141. Haplotype, *S. coeles* Vaillant = *mizolepis* (Gunther, 1878) from off Aru Islands, Irian.

SCOPELOGADUS BEANII

Melamphaes beanii Gunther, Rept. Voy. Challenger xxii, 1887, p. 29. New name for *Plectromus crassiceps* Bean, 1885, anticipated by *Scopelus crassiceps* Gunther, 1878, from western North Atlantic—see Ebeling & Weed, 1963, Dana Rept. 60, p. 24, fig. 12.

Genus MELAMPHAES

Melamphaes Gunther, Cat. Fish. Brit. Mus. v, Dec. 10, 1864, p. 433. New name for *Metopias* Lowe, 1843, preocc. Haplotype *Metopias typhlops* Lowe.

MELAMPHAES MICROPS

Crusthead or Midnight Fish

Scopelus microps Gunther, Ann. Mag. Nat. Hist. (5)2, 1878, p. 186. Between Cape of Good Hope and Kerguelen Island; 1375 fathoms.

Melamphaes microps Ebeling, Dana Rept. 58, 1962, p. 32, fig. 17 [far eastward of New Zealand].

MELAMPHAES SIMUS

Melamphaes simus Ebeling, Dana Rept. 58, Nov. 30, 1962, p. 94, figs. 34 & 61. South of Canary Islands (type), northward of New Zealand, etc.

MELAMPHAES SUBORBITALIS

Plectromus suborbitalis Gill, Proc. U.S. Nat. Mus. 6(17), Nov. 27, 1883, p. 258. Western North Atlantic; less than 1735 fathoms.

Melamphaes suborbitalis Ebeling, Dana Rept. 58, 1962, p. 56, fig. 23 (range includes a record about halfway between Tasmania and New Zealand).

MELAMPHAES sp.

Bone Helmet Fish

Melamphaes sp. Castle, Evening Post (newspaper, Wellington), Sept. 2, 1957, with fig. Cook Strait; 500 faths.

Family CETOMIMIDAE

Genus GYRINOMIMUS

Gyrinomimus Parr, Bull. Bingham Oceanogr. Coll. iv, 6, 1934, pp. 21 & 29. Orthotype, *G. myersi* Parr.

GYRINOMINUS GRAHAMI

Black Whale Fish

Gyrinomimus simplex Anon., Evening Post (newspaper, Wellington), April 9, 1956, with fig. and of New Zealand authors. Not *G. simplex* of Parr, Copeia 1946 (3), 1946, p. 116, pl. i, figs. A-C. Gulf of Mexico. *Id.* Harry, Zoologica xxxvii, 1952, p. 55, figs. 1 et seq.

Gyrinomimus grahami L. R. Richardson & Garrick, Copeia 1964 (3), 1964, p. 523, fig. 1. Cook Strait. 1,300 faths.

Family MONOCENTRIDAE

Genus CLEIDOPUS

Cleidopus De Vis, Pro. Linn. Soc. N.S.Wales vii, 3, Oct. 28, 1882, p. 367. Haplotype, *C. gloria-maris* De Vis.

CLEIDOPUS NEOZELANICUS

Pineapple Fish

Cleidopus neozelanicus Powell, Rec. Auckl. Inst. Mus. ii, 3, Nov. 17, 1938, p. 151, pl. xxxvi. Opoutama Beach, 40 miles south of Gisborne.

Family BERYCIDAE

Genus BERYX

Beryx Cuvier & Valenciennes, Hist. Nat. Poiss. iii, April, 1829, p. 221. Logotype, *B. decadactylus* Cuv. & Val.

BERYX SPLENDENS

Alfonsino

Beryx splendens Lowe, Proc. Zool. Soc. Lond. 1833, i. (April 16, 1834), p. 142. Madeira. *Id.* Moreland, Rec. Domin. Mus. iii, 1956, p. 9, fig. 1.

Genus CENTROBERYX

Centroberyx Gill, Proc. Acad. Nat. Sci. Philad., xiv, 1862, p. 238. Logotype, *Beryx lineatus* Cuv. & Val., *vide* Jordan, Gen. Fish.

Austroberyx McCulloch, Zool. Res. Endeav. i, Dec. 22, 1911, p. 39. Orthotype,
Beryx affinis Gunther.

CENTROBERYX AFFINIS

Golden Snapper, Nannygai, Koarea

Beryx affinis Gunther, Cat. Fish. Brit. Mus. i, 1859, p. 13. Australia.

Genus HOPLOSTETHUS

Hoplostethus Cuvier and Valenciennes, Hist. Nat. Poiss. iv, 1829, p. 469.
Haplotype, *H. mediterraneus* Cuv. & Val.

HOPLOSTETHUS ELONGATUS

Long Roughy

Trachichthys elongatus Gunther, Cat. Fish. Brit. Mus. i, 1859, p. 10. Great
Barrier Island (Sowerby).

HOPLOSTETHUS INTERMEDIUS

Trachichthys intermedius Hector, Ann. Mag. Nat. Hist. (4) xv, Jan. 1, 1875,
p. 78 and Trans. N.Z. Inst. vii, June 1875, p. 245, pl. xi, fig. 18a. Off
Cape Farewell, 400 fathoms. ("Challenger" Exped.)

Genus PARATRACHICHTHYS

Paratrachichthys Waite, Austr. Mus. Mem. iv, Dec. 23, 1899, p. 64. Orthotype,
Trachichthys trailli Hutton.

PARATRACHICHTHYS TRAILLI

Roughy

Trachichthys trailli Hutton, Ann. Mag. Nat. Hist. (4) xvi, Nov. 1875, p. 315
and Trans. N.Z. Inst. viii, May 1876, p. 212. Stewart Island.

Family ZEIDAE

Genus ZEUS

Zeus Linne, Syst. Nat. ed. 10, Jan. 1, 1758, p. 266. Logotype, *Z. faber* Linne.

ZEUS AUSTRALIS

John Dory; Kuparu

Zeus australis Richardson, Voy. Erebus and Terror, Fish. 1845, p. 36, pl.
xxv, fig. 1. Port Jackson, New South Wales (additional notes on a
W. Austr. specimen are given on p. 138, publ. 1848).

Genus ZENOPSIS

Zenopsis Gill, Proc. Acad. Nat. Sci. Philad. 1862 (1863), p. 126. Haplotype,
Zeus nebulosus Temminck and Schlegel from Japan.

ZENOPSIS NEBULOSUS

Mirror Dory

Zeus nebulosus Temminck and Schlegel, Fauna Japonica (Pisc., 1845), p. 123
pl. lxvi, from Japan.

[*Zenopsis nebulosa* Griffin, Trans. N.Z. Inst. liv, Dec. 14, 1923, p. 256, pl.
xxvi, from Bay of Plenty to Kauraki Gulf. May be slightly distinct.]

Genus OREOSOMA

Oreosoma Cuvier, Regne Anim. ed. 2, ii, April, 1829, p. 171; Cuv. & Val.,
Hist. Nat. Poiss. iv, Nov. 1829, p. 515. Haplotype, *O. atlanticum* Cuv.
& Val.

OREOSOMA WAITEI

Mountainsides

Oreosoma waitei Whitley, Rec. Austr. Mus. xvii, June 27, 1929, p. 109.
Lyall Bay, Wellington. Type figured by Waite, Trans. Proc. N.Z. Inst.
xliv, June 10, 1912, p. 197, pl. xi, as *O. atlanticum*.

Genus CYTTUS

Cyttus Gunther, Cat. Fish. Brit. Mus. iii, 1861, p. 396. Logotype, *Capros australis* Richardson.

CYTTUS AUSTRALIS

Boarfish

Capros australis Richardson, Trans. Zool. Soc. Lond. iii, June 11, 1842, p. 73; Ann. Mag. Nat. Hist. xi, March 1843, p. 170; Zool Voy. Erebus and Terror, 1845, p. 137, pl. lix, figs. 1-5. Port Arthur, Tasmania.

CYTTUS NOVAEZEALANDIAE

Silver Dory

Zeus novaezealandiae Arthur, Trans. N.Z. Inst. xvii, May 1885, p. 163, pl. xiv, fig. 3. Off Otago Heads; 25 faths.

Genus RHOMBOCYTTUS

Rhombocyttus Gill, Mem. Nat. Acad. Sci. Wash. vi, 1893, pp. 115 and 123. Haplotype, *Cyttus traversi* Hutton.

RHOMBOCYTTUS TRAVERSI

Horsehead

Cyttus traversi Hutton, Cat. N.Z. Fish., Feb. 1872, p. 19, Saltwater Creek, Canterbury.

Genus NEOCYTTUS

Neocyttus Gilchrist, Mar. Invest. S. Afr. iv, 1906, p. 153. Genotype, *N. rhomboidalis* Gilchrist. (Fide Zoological Records).

NEOCYTTUS GIBBOSUS

Spiky Dory

Neocyttus rhomboidalis var. *gibbosus* McCulloch, Biol. Res. Endeav. ii, 3, July 3, 1914, p. 120, text-fig. 8. Great Australian Bight. 350-450 fathoms.

Genus CAPROMIMUS

Capromimus Gill, Mem. Nat. Acad. Sci. Wash. vi, 1893, pp. 115 & 123. Haplotype, *Platystethus abbreviatus* Hector.

CAPROMIMUS ABBREVIATUS

Rough Dory

Platystethus abbreviatus Hector, Ann. Mag. Nat. Hist. (4) xv, Jan. 1875, p. 79 and Trans. N.Z. Inst. vii, June 1875, p. 247, pl. xi, fig. 31c. Off Cape Farewell, 400 faths. ("Challenger" Exped.)

Antigonia mulleri Klunzinger, Sitzb. Akad. Wiss. Wien lxxx, 1, 1879, p. 380, pl. v, fig. 3. N.Z.

Family DIRETMIDAE

Genus DIRETMUS

Diretmus Johnson, Proc. Zool. Soc. Lond. 1863 (April 20, 1864), p. 403. Haplotype, *D. argenteus* Johnson.

Discus Campbell, Trans. N.Z. Inst. xi, May 1879, p. 298. Haplotype, *D. aureus* Campbell. Preoccupied by *Discus* Fitzinger, 1833, a genus of mollusca.

Campbellina Fowler, Notulae Naturae 310, Aug. 22, 1958, p. 15. Orthotype, *Discus aureus* Campbell. Substitute for *Discus*, preocc.

DIRETMUS AUREUS

Disc Fish

Discus aureus Campbell, Trans. N.Z. Inst. xi, May 1879, p. 297 and fig. Hokitika beach, N.Z.

Discus auratus Hector, 14th Ann. Rept. Colon. Mus. 1879, p. 12. *Errore* Hokitika.

Family LOPHOTIDAE

Genus REGILOPHOTES

Regilophotes Whitley, Rec. Austr. Mus. xix, Aug. 2, 1933, p. 72. Orthotype, *Lophotes guntheri* Johnston.

REGILOPHOTES GUNTHERI

Crested Bandfish; Unicorn Fish

Lophotes guntheri Johnston, Proc. Roy. Soc. Tas. 1882 (1883), pp. 142 and 177. Emu Bay district, Tasmania.

Family REGALECIDAE

Genus REGALECUS

Regalecus Ascanius, Icones rerum nat. ii, 1772, p. 5. Haplotype, *R. glesne* Ascanius (fide Sherborn, Index Animalium).

REGALECUS PACIFICUS

Oarfish

Regulus pacificus Haast, Trans. N.Z. Inst. ix, May 1877, p. 646. *Nomen nudum*.

Regalecus pacificus Haast, Trans. N.Z. Inst. x, May 1878, p. 246, pl. vii. New Brighton, N.Z.

Regalecus argenteus Parker, N.Z. J. Sci. i, 1883, p. 520; Trans. N.Z. Inst. xvi, May 1884, p. 284, pl. xxxiii, Moeraki, Otago, N.Z.

Family AGROSTICHTHYIDAE

Genus AGROSTICHTHYS

Agrostichthys Phillipps, Proc. Zool. Soc. Lond. 1924, ii, p. 232. Orthotype, *Regalecus parkeri* Benham.

AGROSTICHTHYS PARKERI

Streamer Fish; Parker's Ribbon Fish

Regalecus parkeri Benham, Trans. N.Z. Inst. xxvi, Aug. 1904, p. 198, pl. ix. Deborah Bay, near Port Chalmers, S. Island, N.Z.

Family TRACHIPTERIDAE

Genus DESMODEMA

Desmodema Walters & Fitch, Calif. Fish & Game xlvii, 4, Oct. 1960, p. 446. Orthotype, *Trachipterus jacksonensis* var. *polystictus* Ogilby.

DESMODEMA ARAWATAE

(Figure 1)

Southern Ribbonfish or Dealfish

Trachipterus arawatae Clarke, Trans. N.Z. Inst. xiii, April 1881, p. 197 & fig. Arawata, N.Z.

Note: An unusual ribbonfish was figured, amongst others, as *Trachipterus jacksonensis* Ramsay, by Hamilton, Trans. N.Z. Inst. xlviii, 1916, pp. 371 & 374, fig. 2, of which Hamilton wrote, "Caught at Nelson in November, 1908. Only a drawing preserved." After it had been missing for over half a century, I found what is evidently this specimen in the Canterbury Museum, Christchurch, and made a fresh sketch of it, which is here reproduced alongside a copy of Hamilton's figure. The specimen had more dorsal rays than were shown in Hamilton's figure and it was 17 inches in total length. Labels in its bottle read: "*Regalecus* juv. (*pacificus*). Loc. Nelson. 1908. Specimen drawn H.S.B." Canterbury Museum registered no. P.442.2. Old Collection; old catalogue no. 718. The lateral line, descending to the ventral surface indicates it is a Trachipterid rather than a *Regalecus*. Fin-rays could not be counted accurately, but the fish had the following characters.

Br. 6. D.vi + more than 125. A.O. P.6. V. 5? C.12? or 13. Head (2 inches) equals depth (2), 6.1 in standard length (12.3). Snout to vent 4.5 inches. Facies as figured. Strong granulations on supraorbital, preorbital, maxilla and opercles. Skin of body with minute pimples. Ventral surface of body thrown into three V-shaped folds before anus. Lateral line with small tubes and descending to ventral surface an eye-diameter behind vent, after which there is a series of about 37 ventro-lateral spines to before the tail; some of these spines are further apart than others and there are some

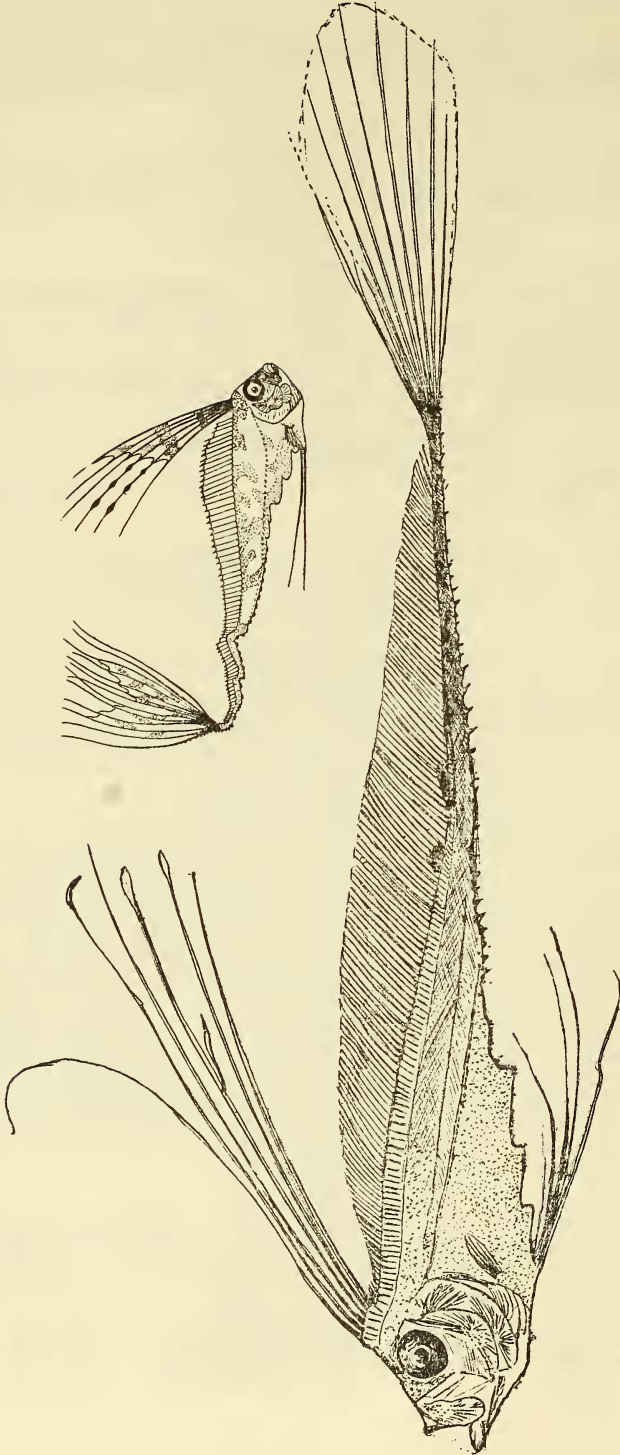


Figure 1.—*Desmodema arawatae*. Sketch of a specimen presumably male and doubtless the long-missing original of the illustration (inset) published in 1916 by Hamilton.

spines above this lower series. A crest-like first dorsal fin of six very long spines, at least one of which has a tag or leaf-shaped tip. Two very short rays occur before the second dorsal fin ascends to its longest median rays and descends to before the tail. Caudal fin with about a dozen rays, some now broken. Colour after long preservation, dark brown. Traces of dark blotches along dorsal fin near bases of some rays.

Resembles slightly Phillipps' figure of a young "*Trachipterus*" from French Pass, N.Z.* and Pietschmann's figures of *T. repandus*. Probably the opposite sex of the more usually figured specimens of young trachiperids, this curious specimen deserves more detailed study.

Family CEPOLIDAE

Genus CEPOLA

Cepola Linne, Mus. Adolph. Frid. ii, 1764, p. 63; Syst. Nat., ed. 12, 1766, p. 445. Logotype, *C. taenia* Linne.

CEPOLA AOTEA

Bandfish

Cepola aotea Waite, Proc. N.Z. Inst. 1910, part i, Sept. 10, 1910, p. 26. Rec. Canterb. Mus. i, 3, 1911, p. 217, pl. xlv. Bay of Plenty, N.Z.

Family BOTHIDAE

Genus AZYGOPUS

Azygopus Norman, Biol. Res. Endeavour v, 5, June 15, 1926, p. 261. Haplotype, *A. pinnifasciatus* Norman.

AZYGOPUS PINNIFASCIATUS FLEMINGI

Stripe-finned Flounder

Azygopus pinnifasciatus Norman, Biol. Res. Endeavour v, 5, June 15, 1926, p. 262, fig. 10. Great Australian Bight.

Azygopus pinnifasciatus flemingi Nielsen Galathea Rept. iv, June 15, 1961, p. 223, fig. 3. Off Greymouth; 610 metres ("Galathea" Stn. 626). Types in Zoological Museum, Copenhagen; a paratype in Australian Museum, Sydney.

Genus LOPHONECTES

Lophonectes Gunther, Rept. Voy. Challenger, Zool., i, 6, 1880, p. 28. Haplotype, *L. gallus* Gunther.

LOPHONECTES MONGONUIENSIS

Crested Flounder

Arnoglossus mongonuiensis Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1, 1914, p. 16; Voy. Terra Nova, Zool. i, 1, 1914, p. 21, pl. xi, fig. 2. Cape North; 70 fathoms.

Genus CAULOPSETTA

Caulopsetta Gill, Mem. Nat. Acad. Sci. Wash. vi, 1893, pp. 101, 121 & 124. Orthotype, *Pseudorhombus scaphus* Hutton = *Pleuronectes scapha* Bloch & Schneider.

CAULOPSETTA SCAPHUS

Megrin

Pleuronectes scapha Bloch & Schneider, Syst. Ichth., 1801, p. 163, *ex* Forster, MS. [South Island of] N.Z.

CAULOPSETTA BOOPS

Pseudorhombus boops Hector, Ann. Mag. Nat. Hist. (4) xv, Jan. 1875, p. 81 and Trans. N.Z. Inst. vii, 1875, p. 249, pl. xi, fig. 82b. 200 miles off Cape Farewell, N.Z.; 400 faths. "Challenger" Exped. Type figured by Gunther, Rept. Voy. Chall., Zool. xxii, 1887, p. 163, fig. 5.

* Compare McCann, Rec. Domin. Mus. II, 1953, p. 5, especially figs. 5 and 6, according to whom it would be an adult male.

CAULOPSETTA HECTORIS

Pseudorhombus hectoris Gunther, Rept. Voy. Challenger, Zool. xxii, 1887, p. 163, fig. 4. Off the coast of N.Z., Station 167; 150 fathoms.

[Family BRACHYPLEURIDAE

Genus BRACHYPLEURA

Brachypleura Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 419. Haplotype, *B. novaezeelandiae* Gunther.

BRACHYPLEURA NOVAEZEELANDIAE

Brachypleura novaezeelandiae Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 419. N.Z. (Sir John Richardson, Haslar Collection).

Chabanaud (Bull. Inst. franc. Afr. Noire xvi, 1954, p. 1294) states that the type-locality was erroneous, the species inhabiting tropical seas from the Maldives to the Arafura Sea.]

Family RHOMBOSOLEIDAE

Genus COLISTIUM

Colistium Norman, Biol. Res. Endeavour v, 5, June 15, 1926, pp. 261 and 272. Logotype, *Ammotretis nudipinnis* Waite, selected by Burton, Zool. Record lxiii, 1926 (1927), Pisces, p. 44.

COLISTIUM NUDIPINNIS

Turbot

Ammotretis nudipinnis Waite, Proc. N.Z. Inst. 1910, ii, Jan. 18, 1911, p. 50 (N.Z.) and Rec. Cant. Mus. i, 1911, p. 209, pl. xxxix. Porangahau Bay; 16-17 fathoms., sand.

COLISTIUM GUNTHERI

Brill

Ammotretis guntheri Hutton, Trans. N.Z. Inst. v, May 1873, p. 267, pl. xi, fig. 82a. Wellington Harbour.

Genus RHOMBOSOLEA

Rhombosolea Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 458. Logotype, *R. monopus* Gunther.

Bowenia Haast, Trans. N.Z. Inst. v, May 1873, p. 276. Haplotype, *B. novaezealandiae* Haast.

Apsetta Kyle, Proc. Zool. Soc. Lond. 1900 (Apr. 1, 1904) p. 986. Haplotype, *A. thompsoni* Kyle.

Subgenus RHOMBOSOLEA

RHOMBOSOLEA PLEBEIA

Sand Flounder; Patiki

Rhombus plebeius Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 222, ex Solander MS. Tolaga Bay.

Pleuronectes plebeius Richardson, Trav. N.Z. (Dieffenbach) ii, 1843, p. 222, ex Solander MS. Tolaga Bay.

Rhombosolea monopus Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 459. Bay of Islands (A. Smith), N.Z. (Owen), and Australia.

Bowenia novaezeelandiae Haast, Trans. N.Z. Inst. v, 1873, p. 277, pl. xvi. Lake Ellesmere.

Apsetta thompsoni Kyle, Proc. Zool. Soc. Lond. 1900 (April 1, 1901), p. 986, figs. 1-3. N.Z.

Rhombus solea Prince, Trans. Amer. Fish. Soc. xlv, June 1916, p. 125. Error for *Rhombosolea [plebeia]*. N.Z.

RHOMBOSOLEA MILLARI

Yellow Flounder, Yellow Belly, Patikitotara

Rhombosolea millari Waite, Rec. Canterb. Mus. i, 3, June 24, 1911, p. 207, pl. xxxvii. Hawke Bay.

RHOMBOSOLEA TAPIRINA

Green-back Flounder

Rhombosolea tapirina Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 459. Australia and Auckland Islands.*Rhombosolea flesoides* Gunther, Ann. Mag. Nat. Hist. (3) xi, Feb. 1, 1863, p. 117. Victoria.

Subgenus ADAMASOMA

Adamasoma Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxxix, Sept. 1939, p. 231. Orthotype, *Rhombosolea retiaria* Hutton.

RHOMBOSOLEA (ADAMASOMA) RETIARIA

River or Black Flounder; Patikimohoa, Patiki

Rhombosolea retiaria Hutton, Trans. N.Z. Inst. vi, 1874, p. 107. New namefor *R. tapirina* Hutton, Trans. N.Z. Inst. v, May 1873, p. 268, pl. xii, fig. 83b, non Gunther. Wellington Harbour.

RHOMBOSOLEA (ADAMASOMA) RETIARIA ADAMAS

Diamond Plaice

Rhombosolea (Adamasoma) retiaria adamas Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxxix, Sept. 1939, p. 232. Hokitika, Christchurch. Based on Phillipps, N.Z. J. Sci. Tech. vii, 6, 1925, p. 368, fig.

Genus PELTORHAMPHUS

Peltorhamphus Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 460. Haplotype, *P. novaezeelandiae* Gunther.

PELTORHAMPHUS NOVAEZEELANDIAE

Sole; Patikirori

Peltorhamphus novaezeelandiae Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 461. N.Z. (type) and "Norfolk Island" [latter probably an error].

Genus PELOTRETIS

Pelotretis Waite, Proc. N.Z. Inst. 1910, ii, Jan. 18, 1911, p. 50. Haplotype, *P. flavilatus* Waite.

PELOTRETIS FLAVILATUS

Lemon Sole

Pelotretis flavilatus Waite, Proc. N.Z. Inst. 1910, ii, Jan. 18, 1911, p. 50. N.Z.

Family ATHERINIDAE

Genus PRANESUS

Pranesus Whitley, Mem. Qld. Mus. x, Aug. 28, 1930, p. 9. Orthotype, *P. ogilbyi* Whitley.

PRANESUS OGILBYI

Hardyhead

Atherina pinguis Kirk, Trans. N.Z. Inst. xii, May 1880, p. 309 and fig.Not *Atherina pinguis* Lacepede, Hist. Nat. Poiss. v, 1803, p. 373, pl. xi.*Pranesus ogilbyi* Whitley, Mem. Qld. Mus. x, Aug. 28, 1930, p. 9. Moreton Bay, Qld.

Family MUGILIDAE

Genus MUGIL

Mugil Linne, Syst. Nat. ed. 10, Jan. 1, 1758, pp. 243 and 316. Haplotype, *M. cephalus* Linne, from European Seas.

MUGIL BROUSSONNETII

Yellow-eyed Mullet, Grey Mullet; Kanae

Mugil broussonnetii Cuvier and Valenciennes, Hist. Nat. Poiss. xi, July, 1836, p. 117. Southern Seas (Cook) [? = N.Z.].*Mugil communis* Cuv. & Val., Hist. Nat. Poiss. xi, July 1836, p. 118, ex Solander, MS. No locality.*Mugil lavaretoides* Cuv. & Val., Hist. Nat. Poiss. xi, July 1836, p. 118, ex Solander, MS. No locality = Tolaga Bay—*teste* Richardson, Trav. N.Z. (Dieff.) ii, Jan. 1843, p. 218.

- ?*Mugil strigatus* Cuv. & Val., Hist. Nat. Poiss. xi, July 1836, p. 119, ex Solander, MS. No locality.
Leuciscus (Ptycholepis) salmoneus Richardson, Trav. N.Z. (Dieff) ii, Jan. 1843, p. 218. Tolaga Bay, N.Z.
Mugil salmoneus Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 218, ex Forster MS. Tolaga Bay, N.Z. [Authors have wrongly regarded this species as a synonym of *Chanos* from the New Hebrides (Not N.Z.) or even of *Gonorynchus*.]

Genus ALDRICHETTA

- Aldrichetta* Whitley, Austr. Zool. xi, 1945, p. 19. Orthotype, *Mugil forsteri* Cuv. & Val.

ALDRICHETTA FORSTERI

Yellow-eyed Mullet, Picton Herring, Awa

- Mugil forsteri* Cuvier & Valenciennes, Hist. Nat. Poiss. xi, July 1836, p. 141. Rivers of N.Z. (Forster).
Mugil albula Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 211, ex Forster, MS. South Island of N.Z. Vernacular, as "Albulae" in Bloch & Schneider, Syst. Ichth. 1801, p. 120. Not *Mugil albula* Linne, 1766.

Family SPHYRAENIDAE

Genus SPHYRAENA

- Sphyraena* Bloch & Schneider, Syst. Ichth., 1801, p. 109. Tautotype, *Esox sphyraena* Linne.

SPHYRAENA GRANDISQUAMIS

Pike

- Sphyraena grandisquamis* Steindachner, Sitzb. Akad. Wiss. Wien, liii, 1866, p. 446. Port Jackson, N.S.W.

Genus AUSTRALUZZA

- Australuzza* Whitley, Austr. Zool. xi, June 20, 1947, p. 136. Orthotype, *Sphyraena novaehollandiae* Gunther.

AUSTRALUZZA NOVAEHOLLANDIAE

Snook

- Sphyraena novaehollandiae* Gunther, Cat. Fish. Brit. Mus. ii, 1860, p. 335. Hobson's Bay, Victoria.

Family STROMATEIDAE

Genus CUBICEPS

- Cubiceps* Lowe, Proc. Zool. Soc. Lond., Dec. 1843, p. 82. Haplotype, *Seriola gracilis* Lowe.

CUBICEPS BAXTERI

Cubehead

- Cubiceps baxteri* McCulloch, Rec. Austr. Mus. xiv, 1, Feb. 28, 1923, p. 15, pl. i, fig. 4. Lord Howe Island. *Id.* Moreland, Rec. Domin. Mus. iii, 1956, p. 10.

CUBICEPS CAERULEUS

- Cubiceps caeruleus* Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1, 1914, p. 15 and Voy. Terra Nova i, 1, 1914, p. 19. Three Kings Iss. (Compare *Cubiceps caeruleus* McCulloch, Rec. Austr. Mus. xiv, 1, Feb. 28, 1923, p. 15, pl. i, fig. 3. Lord Howe Island). [Possibly Hutton's record of *Cubiceps gracilis* may refer to *caeruleus* Regan: *Cubiceps gracilis* Hutton, Trans. N.Z. Inst. xxviii, 1896, p. 315. Christchurch Market. Not *Seriola gracilis* Lowe, Proc. Zool. Soc. Lond. 1843, p. 82, described from Madeira as having, amongst other characters, "secundae analisque . . . radii posterioribus sub-productis, in pinnulas subsecudentibus."]

Genus HYPEROGLYPHE

Hyperoglyphe Gunther, Cat. Fish. Brit. Mus. 1, 1859, p. 337. Haplotype,
Diagramma porosa Richardson.

HYPEROGLYPHE ANTARCTICA

Barrel Fish, Bream

Perca antarctica Carmichael, Trans. Linn. Soc. (Lond.), xii, 1819, p. 501.
Tristan da Cunha.

Diagramma porosa Richardson, Zool. Voy. Erebus & Terror, Fish., 1845,
p. 26, pl. xvi, figs. 5-6. "Coasts of Australia [= New South Wales].

Eurymetopos johnstonii Morton, Pap. Proc. Roy. Soc. Tas. 1887 (1888), pp.
xlvii & 77, with plate. Near Bridgewater, Tasmania.

SeriOLELLA amplius Griffin, Trans. N.Z. Inst. lix, Aug. 30, 1928, p. 376, pl. lviii,
fig. 3. Near Mayor Island, Bay of Plenty. A synonym according to
Haedrich, 1967.

Family CENTROLOPHIDAE

Genus SERIOLELLA

SeriOLELLA Gay, Hist. Chile ii, 1849, p. 238, *ex* Guichenot, MS. Orthotype,
S. porosa Gay (*vide* Sherborn, Index Anim. and Jordan, Gen. Fish.).

Neptonemus Gunther, Cat. Fish. Brit. Mus. ii, 1860, p. 389. Haplotype,
N. brama Gunther.

Neptonemus Hutton and of authors.

SERIOLELLA MACULATA

Silver Fish

Stromateus maculatus Forster, Die Neuesten Reisen i, Tagebuch White, 1794,
p. 131, no. 7. Based on "A Fish of New South Wales" Phillip, 1790.
[Botany Bay,] N.S.Wales.

Scomber punctatus Bloch & Schneider, Syst. Ichth. 1801, p. 37, *ex* Forster MS.
N.Z.

Gasterosteus punctatus Bloch & Schneider, Syst. Ichth. 1801, p. 37, *ex* Forster,
MS. N.Z.

Neptonemus bilineatus Hutton, Trans. N.Z. Inst. v, May 1873, p. 261, pl. viii,
fig. 31a, Wellington, N.Z.

SERIOLELLA BRAMA

Warehou

Neptonemus brama Gunther, Cat. Fish. Brit. Mus. ii, 1860, p. 390. N.Z. (purch.
J. Gould).

SERIOLELLA POROSA

Silver Warehou

SeriOLELLA porosa Guichenot, Hist. Chile (Gay) ii, 1849, p. 239, pl. vii, fig. 2.
S. America—*vide* Norman, Discov. Rept. xvi, 1937, p. 115, fig. 62.

Genus CENTROLOPHUS

Centrolophus Lacepede, Hist. Nat. Poiss. iv, 1802, p. 441. Haplotype, *C. niger*
Lacepede.

CENTROLOPHUS MAORICUS

Rudderfish

Centrolophus maoricus Ogilby, Rec. Austr. Mus. ii, 5, Sept. 1893, p. 64.
N.Z., pelagic.

CENTROLOPHUS HUTTONI

Centrolophus huttoni Waite, Proc. N.Z. Inst. iv, May 11, 1910, p. 109 and
Trans. N.Z. Inst. xlii, June 1, 1910, p. 387. Kaikoura, South Island of
N.Z.—accompanying Sunfish (*Mola*). Holotype redescribed and figured
by Smith, Ann. Mag. Nat. Hist. (13) ix, 1966, p. 2, pl. IB.

The following genus and species has not yet been defined:

Cristaculeus dyscritus Thomson, Ann. Rept. Mar. Dept. N.Z. 1926, p. 19, *ex*
Young, MS. *Nomen nudum*.

Family SCHEDOPHILIDAE

Genus HOPLOCORYPHIS

Hoplocoryphis Gill, Proc. Acad. Nat. Sci. Philad. 1862, p. 127. Orthotype, *Schedophilus maculatus* Gunther.

HOPLOCORYPHIS PHYSALIARUM

Raft Fish

Hoplocoryphis physaliarum Whitley, Rec. Austr. Mus. xix, 1, Aug. 2, 1933, p. 68. Manly, N.S.W.

Note: Kermadec Is.—Waite as *Schedophilus maculatus*. Canterbury Museum has a specimen.

Family ICICHTHYIDAE

Genus ICICHTHYS

Icichthys Jordan & Gilbert, Proc. U.S. Nat. Mus. iii, 1880, p. 305. Orthotype, *I. lockingtoni* Jordan & Gilbert.

ICICHTHYS sp.

Limp Ragfish

Icichthys sp. nov. (unnamed) Haedrich, Bull. Mus. Comp. Zool. Harvard 135 (2), 1967, p. 68. N.Z.

Family TETRAGONURIDAE

Genus TETRAGONURUS

Tetragonurus Risso, Ichth. Nice, 1810, p. 347. Haplotype, *T. cuvieri* Risso. *Ctenodax* Macleay, Proc. Linn. Soc. N.S.Wales x, 4, April 3, 1886, p. 718. Haplotype, *C. wilkinsoni* Macleay.

TETRAGONURUS WILKINSONI

Squartail

Ctenodax wilkinsoni Macleay, Proc. Linn. Soc. N.S.Wales x, 4, April 3, 1886, p. 719, pl. xlvii. Lord Howe Island.

Tetragonurus cuvieri (New Zealand form) Grey, Dana Rept. xli, 1955, pp. 24 etc., fig. 8a.

Family ACANTHOCLINIDAE

Genus ACANTHOCLINUS

Acanthoclinus Jenyns, Zool. Voy. Beagle, Fish. 1841, p. 91. Orthotype, *A. fuscus* Jenyns.

ACANTHOCLINUS QUADRIDACTYLUS

Rockfish, Taumaka

Blennius quadridactylus Bloch & Schneider, Syst. Ichth. 1801, p. 177. [South Island of] N.Z.

Blennius littoreus Bloch & Schneider, Syst. Ichth. 1801, p. 177, ex Forster, MS. [South Island of] N.Z.

Clinus littoreus Cuv. & Val., Hist. Nat. Poiss. xi, July 1836, p. 389, ex *Blennius littoreus* Forster, MS. N.Z.

?*Acanthoclinus fuscus* Jenyns, Zool. Voy. Beagle, Fish. 1841, p. 92, pl. xviii, fig. 2. Bay of Islands, N.Z.

Acanthoclinus taumaka Clarke, Trans. N.Z. Inst. xi, May 1879, p. 293, pl. xv. Jackson's Bay.

Genus TAUMAKOIDES

Taumakoides Whitley, Austr. Zool. xii, 2, July 18, 1955, p. 111. Orthotype, *Acanthoclinus trilineatus* Griffin.

TAUMAKOIDES TRILINEATUS

Acanthoclinus trilineatus Griffin, Trans. N.Z. Inst. lxiii, June 1933, p. 330, pl. xxxiv & text-fig. 2. Bay of Islands and Great Barrier Is., N.Z. Types in Auckland Museum.

Family ANTHIIDAE
Genus ELLERKELDIA

- Gilbertia* Jordan & Eigenmann, Bull. U.S. Fish. Comm. viii, 1888, March 25, 1891, p. 346, *ex* Jordan, MS. Orthotype, *Plectropoma semicinctum* Cuv. & Val. Preoccupied by *Gilbertia* Cossmann, Ann. Soc. Roy. Malac. Belg. xxiv, 1889 (publ. before April, 1890), p. 347, a molluscan genus.
Ellerkeldia Whitley, Rec. Austr. Mus. xv, 5, April 6, 1927, p. 298. Orthotype, *E. annulata* (Gunther) = *Plectropoma annulata* Gunther.

ELLERKELDIA HUNTII
Half-banded Sea Perch

- ?*Plectropoma semicinctum* Cuv. & Val., Hist. Nat. Poiss. ix, March 1833, p. 442. Juan Fernandez.
Plectropoma huntii Hector, 9th Ann. Rept. Colon. Mus. 1874, p. 10. *Nomen nudum*. *Id.* Hector, Trans. N.Z. Inst. vii, June 1875, p. 240, pl. x, fig. 1. Chatham Is.

Genus CAESIOPERCA

- Caesioperca* Castelnau, Proc. Zool. Acclim. Soc. Vict. i, July 15, 1872, p. 49. Haplotype, *Serranus rasor* Richardson.
Lacepedia Castelnau, Proc. Zool. Acclim. Soc. Vict. ii, May 10, 1873, p. 42. Haplotype, *L. cataphracta* Castelnau.

CAESIOPERCA LEPIDOPTERA

Red Perch; Oia

- Epinephelus lepidopterus* Bloch & Schneider, Syst. Ichth. 1801, p. 302. N.Z. = South Island.
Perca lepidoptera Bloch & Schneider, Syst. Ichth. 1801, p. 302, *ex* Forster, MS. N.Z. = South Island.
Scorpis hectori Hutton, Cat. Fish. N.Z., Feb. 1872, pp. 4 & 106, pl. i, fig. 4. Milford Sound.

Genus CALLANTHIAS

- Callanthias* Lowe, Proc. Zool. Soc. Lond. vii, Oct. 1839, p. 76. Haplotype, *C. paradisaeus* Lowe.

CALLANTHIAS ALLPORTI

Allport's Perch

- Callanthias allporti* Gunther, Ann. Mag. Nat. Hist. (4) xvii, May 1, 1876, p. 390. Tasmania.

CALLANTHIAS SPLENDENS

- Callanthias splendens* Griffin, Trans. N.Z. Inst. liii, Aug. 31, 1921, p. 352, pl. lv, fig. 1 & text-fig. Hauraki Gulf.

Genus CAPRODON

- Caprodon* Temminck and Schlegel, Faun. Japon. (Poiss., 1843), p. 64. *Genus caelebs*. Haplotype *C. sp.* = *Anthias schlegelii* Gunther.

CAPRODON LONGIMANUS

Longfin; Mata

- Anthias longimanus* Gunther, Cat. Fish. Brit. Mus. i, 1859, p. 94. Indian or Australian seas.
Scorpis fairchildi Hector, Trans. N.Z. Inst. vii, June 1874, p. 241. New name for *Scorpis hectori* Hutton, Trans. N.Z. Inst. v, 1873, p. 259, pl. vii, *non s. str.* Bay of Plenty.

Genus PLAGIOGENEION

- Plagiogeneion* Forbes, Trans. N.Z. Inst. xxii, May 1890, p. 273. Haplotype, *Therapon rubiginosus* Hutton.

PLAGIOGENEION RUBIGINOSUS

Ruby Fish

Therapon rubiginosus Hutton, Hutton & Ulrich, Rept. Geol. & Goldfields Otago, pref. June 1875, p. 132, *nomen nudum*. Hutton, Ann. Mag. Nat. Hist. (4) xvi, Nov. 1875, p. 314; Trans. N.Z. Inst. viii, May 1876, p. 209. Otago.

Genus SERRANOPS

Serranops Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan 1 1914, p. 15. Haplotype, *S. maculicauda* Regan.

SERRANOPS MACULICAUDA

Serranops maculicauda Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1 1914, p. 15 and Voy. Terra Nova Zool. i, 1, 1914, p. 16, pl. xi, fig. 3. Cape North. 70 fathoms.

Genus LEPIDOPERCA

Lepidoperca Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1 1914, p. 15. Logotype, *L. inornata* Regan, *vide* Jordan, Gen. Fish.

LEPIDOPERCA INORNATA

Lepidoperca inornata Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1 1914, p. 15 and Voy. Terra Nova Zool. i, 1, 1914, p. 17, pl. xi, fig. 4. Cape North; 70 fathoms.

Genus ANTHIAS

Anthias Bloch, Nat. ausl. Fische vi, 1792, p. 97. Tautotype, *Labrus anthias* Linnaeus.

ANTHIAS PULCHELLUS

Anthias pulchellus Waite, Mem. Austr. Mus. iv, 1, Dec. 23, 1899, p. 77, pl. xii, New South Wales coastline: Bungaree Norah to Wollongong; 32-78 fathoms. Note: A specimen from Moeraki in Otago Museum, Dunedin and others in Dominion Museum, Wellington (J. Moreland, MSS.).

Family MALACANTHIDAE

Genus MALACANTHUS

Malacanthus Cuvier, Regne Anim. ed. 2, ii, April 1829, p. 264. Haplotype, *Coryphaena plumieri* Bloch.

MALACANTHUS HOEDTI

Blanquillo

Malacanthus hoedti Bleeker, Act. Soc. Sci. Indo-Neerl. vi, 1859, p. 18. New Guinea. *Id.* F. H. Berry, Copeia 1958, 2, p. 117, fig. 7 (range includes New Zealand).

Family EPINEPHELIDAE

Genus AULACOCEPHALUS

Aulacocephalus Temminck & Schlegel, Faun. Japon. (Poiss., 1842), p. 15. *Genus caelebs*. Haplotype, *A. sp.* = *A. temminckii* Bleeker.

AULACOCEPHALUS TEMMINCKII

Aulacocephalus temminckii Bleeker, Verh. Bat. Gen. xxv, 1853, p. 10. New name for *A. sp.* Temminck & Schlegel, Faun. Japon. (Poiss., 1842), p. 15, pl. v, fig. 2, from Japan.

Aulacocephalus schlegelii Gunther, Cat. Fish. Brit. Mus. i, 1859, p. 173. New name for *A. sp.* Temminck & Schlegel, *loc. cit.*, 1842. Japan. "Strange catch" Doak & Tarlton, N.Z. Weekly News, July 1, 1968, p. 7, fig. Poor Knights Islands; 120 feet.

Note: Kermadec Islands (Waite).

Genus TRACHYPOMA

Trachypoma Gunther, Cat. Fish. Brit. Mus. i, 1859, p. 167. Haplotype, *T. macracanthus* Gunther.

TRACHYPOMA MACRACANTHUS

Pacific Perch

Trachypoma macracanthus Gunther, Cat. Fish. Brit. Mus. i, 1859, p. 167.
Norfolk Island. Type figured by Boulenger, Cat. Perc. Fish. Brit. Mus.
1895, p. 146, pl. ii.

Note: Kermadec Is.—Waite.

Genus EPINEPHELUS

Epinephelus Bloch, Nat. ausl. Fische vii, 1793, p. 11. Logotype, *E. marginalis*
Bloch.

EPINEPHELUS DAMELII

Black Rock Cod

Serranus damelii Gunther, Ann. Mag. Nat. Hist. (4) xvii, May 1, 1876,
p. 391. Sydney, N.S.W.

EPINEPHELUS OCTOFASCIATUS

Epinephelus octofasciatus Griffin, Trans. N.Z. Inst. lvi, Apr. 26, 1926, p. 540,
pl. xcv. Arid Island, N.E. of Great Barrier Island, Auckland district, N.Z.

Genus ACANTHISTIUS

Acanthistius Gill, Proc. Acad. Nat. Sci. Philad. 1862 (1863), p. 236, footnote.
Haplotype, *Plectropoma serratum* Cuv. & Val.

ACANTHISTIUS CINCTUS

Wirrah

Plectropoma cinctum Gunther, Cat. Fish. Brit. Mus. i, 1859, p. 162. Norfolk
Id. Type figured by Boulenger, Cat. Perc. Fish. Brit. Mus. 1895, p. 142,
pl. i.

Note: Recorded from the Kermadec Is. by Waite.

Genus POLYPRIONUM

Polyprionum Bosc, Nouv. Dict. Hist. Nat., ed. 2, xxvii, 1818, p. 514, *ex*
Cuvier, vernac. Logotype, *Amphiprion americanus* Bloch & Schneider,
Syst. Ichth. 1801, p. 205, by present designation.

Hectoria Castelnau, Intercol. Exhib. Essays no. 5., before May, 1873, p. 8
and Proc. Zool. Acclim. Soc. Vict. ii, May 10, 1873, p. 150. Haplotype,
Oligorus gigas Gunther = *Polyprionum oxygeneios* (Bl. Schn.).

POLYPRIONUM MOEONE

Bass; Moeone

Polyprion moeone Phillipps, Trans. N.Z. Inst. lviii, Aug. 15, 1927, p. 126.
New Zealand (Waite, *op. cit.* xlv, 1913, p. 215, pl. v, as *P. americanus*).

POLYPRIONUM OXYGENEIOS

Groper: Hapuku

Epinephelus oxygeneios Bloch & Schneider, Syst. Ichth. 1801, p. 301. Queen
Charlotte Is., N.Z.

Perca prognatha Bloch & Schneider, Syst. Ichth. 1801, p. 301, *ex* Forster,
MS. (Queen Charlotte Sound.)

Polyprion cernuum Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 206,
N.Z. Not *Polyprion cernium* Valenciennes, Mem. Mus. D'Hist. Nat. (Paris)
xi (4), Jan. 1825, p. 265, pl. xvii, (Marseilles (type) &c.).

Sciaena gadoides Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 206,
ex Solander, MS. N.Z. [= Motuaro].

Centropristis gigas Owen, Desc. Cat. Osteol. Ser. Mus. Roy Coll. Surg. i, 1853.
p. 51. Off N.Z. (Home).

Oligorus gigas Gunther, Cat. Fish. Brit. Mus. i, 1859, p. 251, *ex* Owen. N.Z.
Oligorus gadoides Hutton, Trans. N.Z. Inst. v, 1872 (May 1873), p. 259, *ex*

Sciaena gadoides Solander, MS. [Motuaro.]

?*Polyprion kneri* Steindachner, Sitzb. Akad. Wiss. Wien, lxxi, 1, 1875, p. 443.
Juan Fernandez.

Family POMATOMIDAE

Genus ROSENBLATTIA

Rosenblattia Mead & Falla, Bull. Mus. Comp. Zool. Harvard, cxxxiv, 7, 1965, p. 261. Orthotype, *R. robusta* Mead & Falla.

ROSENBLATTIA ROBUSTA

Deepsea Soldier Fish

Acropoma? Whitley in Graham, Treasury N.Z. Fishes, ed. 2, Sept. 1956, p. 406 [Cook Strait], N.Z. (Moreland MS., 1954.) Not *Acropoma* Temminck & Schlegel, Faun. Japon. (Poiss.), 1843, p. 31, from Japan.
Rosenblattia robusta Mead & Falla, Bull. Mus. Comp. Zool. Harvard, cxxxiv, 7, 1965, p. 261, figs. 1 & 3. Type-locality: between 46°53'S. lat. x 179°48'W. long. and 46°42'S. x 179°32'W., south-western Pacific, from less than 1878 metres. Found in subantarctic Pacific and Indian Oceans.

Family APOGONIDAE

Genus SCEPTERIAS

Scepterias Jordan & Jordan, Mem. Carneg. Mus. x, 1, Dec. 1922, p. 44. Orthotype, *S. fragilis* Jordan & Jordan.

SCEPTERIAS LENIMEN

Big-eyed Cardinal Fish

Scepterias lenimen Whitley, Rec. Austr. Mus. xix, 4, Sept. 19, 1935, p. 230. Great Australian Bight (type) and south of Gabo Island, Victoria.
 "Apogonid" Moreland, N.Z. Dept. Sci. Industr. Res. Bull. cxxii, 1957, appendix 6, p. [34]. Chatham Islands.
 "Big-eyed Cardinal Fish" Moreland, Evening Post (newspaper, Wellington), May 9, 1961, with figs. Off Cape Palliser; 300 fathoms.
 Note: The New Zealand fish is much bigger (2 ft. 4 in. long) than the Australian.

Family CORYPHAENIDAE

Genus CORYPHAENA

Coryphaena Linne, Syst. Nat., ed. 10, Jan. 1, 1758, p. 261. Logotype, *C. hippurus* Linne.

CORYPHAENA HIPPURUS

Dolphin

Coryphaena hippurus Linne, Syst. Nat., ed. 10, 1758, p. 261. Open Seas.
Coryphaena hippurus dampieri Whitley, Rec. Austr. Mus. xx, 1939, p. 271. Lord Howe Id.

Family CARANGIDAE

Genus USACARANX

Usacaranx Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 316. Orthotype, *Caranx nobilis* Macleay.

USACARANX LUTESCENS

Trevally; Araara

Scomber hippos Cuvier & Valenciennes, Hist. Nat. Poiss. ix, March 1833, p. 108, ex Forster, MS. N.Z. Not *Scomber hippos* Linne, Syst. Nat. ed. 12, 1766, p. 494.
Scomber lutescens Richardson, Ann. Mag. Nat. Hist. xi, Jan. 1 1843, p. 26. Descr. ex Solander MS. N.Z., March 30, 1770 = Queen Charlotte Sound.
Scomber micans Richardson, Ann. Mag. Nat. Hist. xi, Jan. 1 1843, p. 27; Rept. 12th meet. B.A.A.S. 1842 (1843), p. 21, ex Solander, MS. Motuaro, Queen Charlotte Sound, N.Z. "This species was first discovered at Opoogi" (Richardson, Zool. Voy. Erebus and Terror, Fish. 1848, p. 135).
Scomber platinoides Richardson, Ann. Mag. Nat. Hist. xi, Jan. 1. 1843, p. 28. Descr. ex Solander, MS. Tolaga Bay.

USACARANX ARCHEYI

Archey's Trevally

Usacaranx archeyi Griffin, Rec. Auckland Mus. i, Sept. 23, 1932, p. 130, pl. xxii. Hauraki Gulf, N.Z. Types in Auckland Museum.

Genus DECAPTERUS

Decapterus Bleeker, Nat. Tijdschr. Ned. Ind. i, 1851, p. 342. Logotype, *Caranx kurra* Cuv. & Val.

DECAPTERUS KOHERU

Scad: Koheru

Caranx koheru Hector, Trans. N.Z. Inst. vii, June 1875, p. 247, pl. xi, fig. 24a. Tutukaka Harbour, near Ngunguru.

Genus TRACHURUS

Trachurus Rafinesque, Caratt. n. gen. Sicil., Apr. 1, 1810, p. 41. Logotype, *T. saurus* Rafinesque.

TRACHURUS DECLIVIS

Herring Scad

Caranx declivis Jenyns, Zool. Voy. Beagle, Fish. 1841, p. 68, pl. xiv. King George's Sound, Western Australia.

TRACHURUS CLUPEOIDES, comb. nov.

Horse-Mackerel; Hature

Scomber trachurus Forster, Voy. World Resolution, i, 1777, p. 181. Dusky Bay, N.Z. Not *Scomber trachurus* Linne, 1758.

Scomber clupeoides Richardson, Ann. Mag. Nat. Hist. xi, Jan. 1, 1843, p. 26; Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 210, ex Solander, MS. Dusky Bay.

Scomber dimidiatus Richardson, Ann. Mag. Nat. Hist. xi, Jan. 1, 1843, p. 27, ex Broussonet, MS. N.Z.

Trachurus novaezelandiae Richardson, Trav. N.Z. (Dieff.) ii, Jan. 1843, p. 210; Rept. 12th meet. B.A.A.S. 1842 (1843), p. 21. N.Z. (type) and Shark Bay. Based on Cuv. & Val., Hist. Nat. Poiss. ix, March 1833, p. 26, vernac.

Caranx sinus-obscuri Richardson, Trav. N.Z. (Dieff.) ii, Jan. 1843, p. 210. Dusky Bay, N.Z.

Genus NAUCRATOPSIS

Naucratopsis Gill, Proc. Acad. Nat. Sci. Philad. xiv, 1862 (1863), p. 441, footnote. Orthotype, *Seriola gigas* Gunther.

NAUCRATOPSIS HIPPOS

Samson Fish

Seriola hippos Gunther, Ann. Mag. Nat. Hist. (4) xvii, 1876, p. 392. Sydney, N.S.Wales.

Genus REGIFICOLA

Regificola Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 316. Orthotype, *Seriola grandis* Castelnau.

REGIFICOLA GRANDIS

Kingfish; Yellowtail; Haku

Seriola grandis Castelnau, Proc. Zool. Acclim. Soc. Vict. i, July 15, 1872, p. 115. Melbourne Market.

Seriola cultrata Hutton, Cat. Fish. N.Z., Feb. 1872, p. 17. Museum name. Not *Platystethus cultratum* Gunther. N.Z.

Genus NAUCRATES

Naucrates Rafinesque, Caratt. n. gen. Sicil., 1810, p. 44. Haplotype, *N. fanfarus* Rafinesque.

NAUCRATES ANGELI

Pilot Fish

Naucrates angeli Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 316. Maroubra, N.S.W.

Family ARRIPIDIDAE

Genus ARRIPIS

Arripis Jenyns, Zool. Voy. Beagle, Fish, 1840, p. 13. Orthotype, *Centropristes georgianus* Cuv. & Val. For variant spellings see Agassiz, Scudder, Sherborn.

Mulloides Richardson, Rept. 12th meet. B.A.A.S. 1842 (1843), p. 16, ex Solander, MS. Haplotype, *Mulloides sapidissimus* (Sol.) Rich. = *Arripis trutta*.

Homodon Brisout de Barneville, Echo Monde Savant xiii, June 4, 1846, p. 1045 (fide Sherborn). Logotype, *Centropristes georgianus* Cuv. & Val.

Lepidomegas Thominot, Bull. Soc. Philom. (7) iv, 1880, p. 173. Haplotype, *L. mulleri* Thominot.

ARRIPIS TRUTTA

Kahawai

Sciaena trutta Bloch & Schneider, Syst. Ichth. 1801, p. 542, ex Forster, MS. Queen Charlotte Sound, N.Z.

Perca trutta Cuvier & Valenciennes, Hist. Nat. Poiss. ii, Oct. 1828, p. 54. Cook Strait.

Sciaena mulloides sapidissimus and *Mulloides sapidissimus* Richardson, Trans. Zool. Soc. Lond. iii, June 16, 1842, p. 79. Based on a drawing by Parkinson. Name ex Solander, MS. N.Z. = Opooragee and Queen Charlotte Sound.

Chorinemus forsteri Richardson, Ann. Mag. Nat. Hist. xi, Jan. 1 1843, p. 24; Trav. N.Z. (Dieff.) ii, Jan. 1843, p. 210. N.Z. and Port Essington.

But the true *Scomber forsteri* (syn. *maculatus*) came from Tahiti, not N.Z. *Scomber maculatus* Richardson, Ann. Mag. Nat. Hist. xi, Jan. 1 1843, p. 24; Trav. N.Z. (Dieff.) ii, Jan. 1843, p. 210, ex Forster, MS. N.Z. [Tahiti.]

Centropristes tasmanicus Hombron and Jacquinot, Voy. Pole Sud, Zool. iii, 1853, p. 40, pl. iv, fig. 1. "Tasmanie ou Nouvelle-Zelande."

Lepidomegas mulleri Thominot, Bull. Soc. Philom. (7) iv, 1880, p. 173. Melbourne (type in Paris Museum seen) and N.Z.

Family EMMELICHTHYIDAE

Genus EMMELICHTHYS

Emmelichthys Richardson, Zool. Voy. Erebus and Terror, Fish., March 1, 1845, p. 47. Haplotype, *E. nitidus* Richardson.

EMMELICHTHYS NITIDUS

Red Baitfish

Emmelichthys nitidus Richardson, Zool. Voy. Erebus and Terror, Fish., March, 1, 1845, p. 47, pl. xxix, figs. 7-8. Western Australia.

Family LEPIDOTIDAE

Genus LEPIDOTUS

Lepidotus Asso, An. Cienc. Nat. (Madrid) iv, 1801, p. 38. Haplotype, *L. catalanicus* Asso.

LEPIDOTUS SQUAMOSUS

Ray's Bream

Toxotes squamosus Hutton, Ann. Mag. Nat. Hist. (4) xvi, Nov. 1875, p. 313. Trans. N.Z. Inst. viii, May 1876, p. 210. Cook Strait.

Family PTERACLIDAE

Genus PTERACLIS

Pteraclis Gronow, Actae Helveticae vii, 1772, p. 43, pl. xi, fig. 1. Orthotype, *P. pinnata* Gronow = *Coryphaena velifera* Pallas (fide Jordan, Gen. Fish).

PTERACLIS VELIFER

Wingfish; Batfish

Coryphaena velifera Pallas, Spic. Zool. viii, 1779, p. 19, pl. iii, fig. 1. Moluccas.

Pteraclis (Bentenia) sp. Whitley, Rec. Austr. Mus. xviii, June 29, 1931, p. 146. N.Z.

Pteraclis velifer australiae Whitley, Rec. Austr. Mus. xix, Sept. 19, 1935, p. 238. Balmoral, N.S.W. Type figured in Austr. Mus. Mag. vi, 2, May 1936, p. 47, fig.

Family MULLIDAE

Genus BARBUPENEUS

Barbupeneus Whitley, Austr. Zool. vi, 1931, p. 317. Orthotype, *Upeneus signatus* Gunther.

BARBUPENEUS SIGNATUS

Goatfish

Upeneus signatus Gunther, Ann. Mag. Nat. Hist. (3) xx, 1867, p. 59. Port Jackson, N.S.W.

Note: Kermadecs—Waite.

Genus UPENEICHTHYS

Upeneichthys Bleeker, Verh. Akad. Amsterd. ii, 1855, pp. 2 and 7. Haplotype, *Upeneus porosus* Cuv. & Val.

Hypeneichthys Ogilby, N.S.Wales (Griffin), 1888, p. 273. Emendation.

Atahua Phillipps, Proc. Roy. Soc. N.Z. lxxi, Dec. 1941, p. 243. Haplotype, *A. clarki* Phillipps.

UPENEICHTHYS POROSUS

Red Mullet; Goatfish; Ahuruhuru

Upeneus porosus Cuv. & Val., Hist. Nat. Poiss. iii, April, 1829, p. 455. New Zealand (Lesson and Garnot) was selected as type-locality by Whitley, Rec. Austr. Mus. xvii, 1929, p. 124. The exact place is given by Lesson (Voy. Coquille Zool. ii, 1829, p. 217) as the River Kiddi Kiddi which flows into the Bay of Islands.

?[*Mugil*] *strigatus* Cuv. & Val., Hist. Nat. Poiss. xi, July 1836, p. 119, ex Solander, MS. No loc. [? N.Z.]

Labrus calophthalmus Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 207; Rept. 12th meet. B.A.A.S. 1842 (1843) p. 17, ex Solander, MS. Queen Charlotte Sound. Preocc. by *Labrus caliophthalmus* Rafinesque, Caratt. n. gen., 1810, p. 37.

Atahua clarki Phillipps, Proc. Roy. Soc. N.Z. lxxi, Dec. 1941, p. 243, pl. xli, fig. 5. Hawke Bay.

Family SPARIDAE

Genus CHRYSOPHRYS

Chrysophrys Quoy and Gaimard, Voy. Uranie et Physicienne, Zool. 1824, p. 229, ex Cuvier, MS. Haplotype, *C. unicolor* Quoy and Gaimard.

Pagrosomus Gill, Mem. Acad. Nat. Sci. Washington vi, 1893, p. 97. Haplotype, *Labrus auratus* Bloch and Schneider.

Sparosomus Gill, Mem. Acad. Nat. Sci. Washington vi, 1893, pp. 116 and 123. Haplotype, *Labrus auratus* Bloch and Schneider.

CHRYSOPHRYS AURATUS

Snapper; Tamure

Sparus pagrus Forster, Voy. World Resolution ii, 1777, p. 450. Queen Charlotte Sound. Not *Sparus pagrus* Linne, Syst. Nat., ed. 10, 1758, p. 279, from southern Europe.

Labrus auratus Bloch and Schneider, Syst. Ichth. 1801, p. 266. N.Z. = Queen Charlotte Sound.

- Sciaena aurata* Bloch and Schneider, Syst. Ichth. 1801, p. 266, *ex* Forster, MS. N.Z.
- Pagrus guttulatus* Cuvier and Valenciennes, Hist. Nat. Poiss. vi, Sept. 1830, p. 160, part. Jervis Bay, N.S.Wales (type), N.Z., and W. Australia.
- Pagrus micropterus* Cuv. & Val., Hist. Nat. Poiss. vi, Sept. 1830, p. 163. Mouth of the Thames River.
- Pagrus latus* Richardson, Ann. Mag. Nat. Hist. ix, July 1842, p. 392. Between Opooragi and Owhooragi.
- Sciaena lata* Richardson, Ann. Mag. Nat. Hist. ix, July 1842, p. 392, *ex* Solander, MS. Between Opooragi and Owhooragi.
- Sciaena aurata* Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 209; Rept. 12th meet. B.A.A.S. 1842 (1843), p. 20. Descr. Anim. (ed. Lichtenstein) 1844, p. 307. Between Owhooragi and Opooragi also Queen Charlotte Sound.

Family KYPHOSIDAE

Genus SEGUTILUM

- Segutilum* Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 319. Orthotype, *Pimelepterus sydneyanus* Gunther.

SEGUTILUM SYDNEYANUM

Drummer

- Pimelepterus sydneyanus* Gunther, Ann. Mag. Nat. Hist. (5) xviii, Nov. 1, 1886, p. 368. Port Jackson, N.S.W.
- Pachymetopon drewii* Hector, 21st Ann. Rept. Col. Mus. 1886, p. 21. *Nomen nudum*. Wanganui.
- Pimelepterus drewii* Hector, Trans. N.Z. Inst. xix, 1887, p. 590. *Nomen nudum*. Off Kapiti Is., N.Z. Chirotype in Domin. Mus., Wellington. Copy of Clarke's drawing of same in Australian Museum.

Family GIRELLIDAE

Genus GIRELLA

- Girella* Gray, Illustr. Ind. Zool. ii, Feb. 1835, pl. xcvi, fig. 3, *teste* Nomencl. Anim. Haplotype, *G. punctata* Gray.

GIRELLA TRICUSPIDATA

Blackfish; Parore

- Boops tricuspidatus* Quoy & Gaimard; Voy. Uranie Physic., Zool. 1824, p. 296. "Shark Bay", W. Australia.
- Ctenolabrus ? knoxi* Hutton, Trans. N.Z. Inst. v, May 1873, p. 265, pl. x. Whangarei Harbour, Cook Strait, N.Z.
- Girella percoides* Hector, Trans. N.Z. Inst. vii, July 1875, p. 243, pl. x, fig. 6D. Nelson, N.Z.
- Girella multilineata* Clarke, Trans. N.Z. Inst. xxxi, June, 1899, p. 98, pl. vii. Moturoa Is., N.Z.
- Sparus hamiltoni* Phillipps, Trans. N.Z. Inst. lviii, Aug. 15, 1927, p. 130, pl. v. fig. 4. Hauraki Gulf and Poor Knights Islands.

Genus IREDALELLA

- Iredalella* Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 320. Orthotype, *Girella cyanea* Macleay.

IREDALELLA CYANEA

Bluefish; Korokoropounamu

- Girella cyanea* Macleay, Proc. Linn. Soc. N.S.Wales v, 3, Feb. 1881, p. 409. No locality [probably Sydney district, N.S.Wales].

Family SCORPIDAE

Genus SCORPIS

- Scorpis* Cuvier & Valenciennes, Hist. Nat. Poiss. viii, "1831" = Jan. 1832, p. 503. Haplotype, *S. georgianus* Cuv. & Val., *ibid.* p. 503, pl. 245 from King George's Sound, Western Australia.

Neptotichthys Hutton, Trans. N.Z. Inst. xxii, May 1890, p. 278. Haplotype,
Ditrema violacea Hutton.

SCORPIS VIOLACEUS

Hardbelly; Maomao

Ditrema violacea Hutton, Trans. N.Z. Inst. v, May 1873, p. 261, p. viii,
fig. 31b. Wellington, N.Z.

SCORPIS AEQUIPINNIS

Sweep; Hui

Scorpius aequipinnis Richardson, Zool. Voy. Erebus and Terror, Fish. 1848,
p. 121. King George's Sound, Western Australia.

Genus ATYPICHTHYS

Atypichthys Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 510. New name for
Atypus Gunther, 1860, preocc. Haplotype, *Atypus strigatus* Gunther.

ATYPICHTHYS STRIGATUS

Stripey

Atypus strigatus Gunther, Cat. Fish. Brit. Mus. ii, 1860, pp. 64 and 518.
Raoul Island, Kermadec Group; type-locality designated by Whitley,
Austr. Zool. vi, 1931, p. 319.

Family CHAETODONTIDAE

Genus CHELMONOPS

Chelmonops Bleeker, Arch. Neerl. Sci. Nat xi, 1876, p. 304. Orthotype,
Chaetodon truncatus Kner.

CHELMONOPS TRUNCATUS

Coral Fish

Chaetodon truncatus Kner, Sitzb. Akad. Wiss. Wien. xxxiv, 1859, p. 442, pl. ii.
Sydney.

CHELMONOPS HOWENSIS

Coral Fish

Chaetodon howensis Waite, Rec. Austr. Mus. v, April 1903, p. 33, fig. 2.
Lord Howe Island.

Family PEMIPHERIDAE

Genus PEMIPHERIS

Pempheris Cuvier, Regne Anim., ed. 2, ii, April, 1829, p. 195. Logotype,
P. touea Cuvier = *P. compressa* (White).

PEMIPHERIS ADSPERSA

Pempheris adpersus Griffin, Trans. N.Z. Inst. lviii, Aug. 15, 1927, p. 139,
pl. xi, fig. 3. Bay of Islands.

PEMIPHERIS COMPRESSA

Bullseye

Sparus ? compressus White, J. Voy. N.S.Wales 1790, p. 267, pl., fig. 2.
[Botany Bay], N.S.Wales.

PEMIPHERIS ANALIS

Pempheris analis Waite, Trans. N.Z. Inst. xlii, 1910, p. 375, pl. xxxvi. Denham
Bay, Kermadecs.

Family HISTIOPTERIDAE

Genus ZANCLISTIUS

Zanclistius Jordan, Proc. U.S. Nat. Mus. xxxii, 1907, p. 236. Orthotype,
Z. elevatus (Ramsay and Ogilby).

ZANCLISTIUS ELEVATUS

Short Boarfish

Histiopterus elevatus Ramsay and Ogilby, Proc. Linn. Soc. N.S.Wales (2)
iii, 1888, p. 1311. Off Port Jackson, N.S.Wales; 70 faths.

Genus PARISTIOPTERUS

- Richardsonia* Castelnau, Proc. Zool. Acclim. Soc. Vict. i, July 15, 1872, p. 112. Haplotype, *R. insignis* Castelnau. Name preoccupied by *Richardsonia* Kner, 1864, and Steindachner, 1866, another genus of fishes (= *Retropinna*).
Paristiopterus Bleeker, Arch. Neerl. Sci. Nat. xi, i, 1876, p. 268. Orthotype, *Richardsonia insignis* Castelnau.
Macullochchia Waite, Proc. N.Z. Inst. 1910, i, Sept. 10, 1910, p. 25. Haplotype, *Histiopertus labiosus* Gunther. New name for *Richardsonia* Castelnau, 1872, preoccupied.

PARISTIOPTERUS LABIOSUS

Giant Boarfish

- Histiopertus labiosus* Gunther, Proc. Zool. Soc. Lond. 1871, p. 658, pl. lix. South Australia.
Richardsonia insignis Castelnau, Proc. Zool. Acclim. Soc. Vict. i, July 15, 1872, p. 112. Westernport and Queenscliff, Victoria.
Histiopertus farnelli Waite, Prelim. Rept. Thetis Exped., June 1898, p. 33, pl. iv; Austr. Mus. Mem. iv, 1899, p. 116, pl. xxvii, Shoalhaven Bight, N.S.Wales.

Genus GRIFFINETTA

- Griffinetta* Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxxix, Sept. 1939, p. 233. Haplotype, *G. nelsonensis* Whitley & Phillipps.

GRIFFINETTA NELSONENSIS

- Griffinetta nelsonensis* Whitley and Phillipps, Trans. Roy. Soc. N.Z. lxxix, Sept. 1939, p. 233. New name for *Pseudopentaceros richardsoni* McCulloch and Phillipps, Rec. Austr. Mus. xiv, 1, Feb. 28, 1923, p. 18, pl. iv, fig. 1. Nelson, N.Z. ?Not *Pentaceros richardsoni* Smith, Ill. Zool. S. Afr. (Pisc.) 1844, pl. xxi, from South Africa.

Family APLODACTYLIDAE

Genus DACTYLOSARGUS

- Meandrites* Richardson, Rept. 12th meet. B.A.A.S. 1842 (1843), p. 16. Tautotype, [*Aplodactylus*] *maeandratulus* Richardson. Name preoccupied by *Meandrites* Cuvier, Tab. Elem. (1798), p. 677 and *Meandrites* Bruguier, Encycl. Meth. (Vers) (1), 1789, p. xvii, a genus of Corals in which there is a species *maendra*.
Dactylosargus Gill, Proc. Acad. Nat. Sci. Philad. xiv, May 1862, pp. 110 and 112. Virtual haplotype, *Aplodactylus arctidens* Richardson.

DACTYLOSARGUS ARCTIDENS

Marblefish; Keke; Granite Trout

- Aplodactylus arctidens* Richardson, Proc. Zool. Soc. Lond. vii, Nov. 1839, p. 96. Tasmania.
Sciaena maeandratulus Richardson, Trans. Zool. Soc. Lond. iii, June 16, 1842, p. 83, ex Solander, MS. Cape Kidnappers.
Sciaena maeandrites Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 207, ex Solander, MS. Off Cape Kidnappers.
Haplodactylus donaldii Haast, Trans. N.Z. Inst. v, May 1873, p. 272, pl. xvi, uppermost figure. Lyttelton.
Haplodactylus schauinslandii Steindachner, Anzeiger Akad. Wiss. Wien. 37th year, no. xvi, 1900, p. 174; Denkschr. Akad. Wiss. Wien lxx, 1901, p. 487, pl. i, fig. 1. N.Z.

Family CHEILODACTYLIDAE

Genus NEMADACTYLUS

- Nemadactylus* Richardson, Proc. Zool. Soc. Lond. vii, Nov. 1839, p. 97. Orthotype, *N. concinnus* Richardson. Emended to *Nematodactylus* by Gill, Proc. Acad. Nat. Sci. Philad. 1862, pp. 114 & 121.

- Sciaenoides* Richardson, Rept. 12th. meet. B.A.A.S. 1842 (1843), p. 18.
 Logotype, *S. abdominalis* Richardson, selected by Whitley, Rec. Austr.
 Mus. xix, 1935, p. 235.
Dactylopagrus Gill, Proc. Acad. Nat. Sci. Philad. xiv, May 1862, p. 114.
 Orthotype, *Cheilodactylus carponemus* Cuv. & Val.
Dactylosparus Gill, Proc. Acad. Nat. Sci. Philad. xiv, May 1862, p. 117.
 Orthotype, *D. carponemus*.

NEMADACTYLUS MACROPTERUS

Tarakihi

- Cichla macroptera* Bloch and Schneider, Syst. Ichth. 1801, p. 342. N.Z. [= South Island.]
Sciaena macroptera Bloch and Schneider, Syst. Ichth. 1801, p. 342, ex Forster, MS. [South Id.] N.Z.
Cheilodactylus carponemus Cuvier, Regne Anim. ed. 2, ii, 1829, p. 117.
 New name for *Cichla macroptera* Bloch and Schneider. *Id.* Cuvier and Valenciennes, Hist. Nat. Poiss. v, July 1830, p. 362 (N.Z. records, not Australian ones, not plate).
Sparus carponemus Cuvier and Valenciennes, Hist. Nat. Poiss. v, July 1830, p. 363, ex Parkinson, MS. Queen Charlotte Sound, N.Z.
Nemadactylus concinnus Richardson, Proc. Zool. Soc. Lond. vii, Nov. 1839, p. 97; Trans. Zool. Soc. Lond. iii, June 16, 1842, p. 116, pl. iv, fig. 2. Port Arthur, Tasmania.
Sciaenoides abdominalis Richardson, Trans. Zool. Soc. Lond. iii, June 16, 1842, p. 101; Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 208; Rept. 12th meet. B.A.A.S. 1842 (1843) pp. 18-19, ex Solander, MS. Cape Kidnappers, Matamihow and Dusky Bay.

NEMADACTYLUS DOUGLASII

Porae

- Chilodactylus douglasii* Hector, Trans. N.Z. Inst. vii, July 1875, p. 244, pl. x, fig. 11b. Ngunguru Bay and Bay of Islands.
Chilodactylus morwong Ramsay & Ogilby, Proc. Linn. Soc. N.S.Wales (2) i, 1886, p. 879, Botany Bay, New South Wales.

Genus CHEILODACTYLUS

- Cheilodactylus* Lacepede, Hist. Nat. Poiss. v, 1803, p. 5, pl. i, fig. 1.
 Haplotype, *C. fasciatus* Lacepede.

CHEILODACTYLUS SPECTABILIS

Red Moki; Nanua

- Chilodactylus spectabilis* Hutton, Cat. Fish. N.Z., Feb. 1872, p. 8. Cook Straits.

Genus GONIISTIUS

- Goniistius* Gill, Proc. Acad. Nat. Sci. Philad. xiv, May 1862, pp. 114 & 120.
 Orthotype, *Cheilodactylus zonatus* Cuv. & Val.

GONIISTIUS VIZONARIUS

Maggie Morwong

- Chilodactylus vizonarius* Saville-Kent, Proc. Roy. Soc. Tas. 1887, pp. xxx, xxxi & 48; and as *bizonarius* in 1897. Tasmania.
Cheilodactylus bizonarius Waite, N.Z. J. Sci. Tech. i, Jan. 1918, p. 6, fig. 2. Kapiti Is. Emended name. [This may be the species recorded from the Kermadecs by Waite, 1910 as *Goniistius gibbosus* Rich.]

Family CHIRONEMIDAE

Genus CHIRONEMUS

- Chironemus* Cuvier & Valenciennes, Hist. Nat. Poiss. iii, April 1829, p. 78.
 Haplotype, *C. georgianus* Cuv. & Val.

CHIRONEMUS FERGUSSONI

Fergusson's Kelpfish; Hiwihivi

Haplodactylus fergussoni Hector, Trans. N.Z. Inst. vii, 1875, p. 243. Kawakawa Bay, East Cape.

Family LATRIDAE

Genus MENDOSOMA

Mendosoma Gay, Hist. Fisic. polit. Chile ii, 1848, p. 212, *ex* Guichenot, MS. Logotype, *M. lineatum* Gay (*vide* Jordan, Gen. Fish.). However, Sherborn quotes Guichenot in Gay, Chili (Peces), 1849, p. 213 and adds, "vernac. 1847".

MENDOSOMA LINEATUM

Trumpeter

Mendosoma lineatum Guichenot in Gay, Chili (Peces) 1849, p. 213, *vide* Sherborn, Index Anim. Chile.

Genus LATRIDOPSIS

Latridopsis Gill, Proc. Acad. Nat. Sci. Philad. xiv, May 1862, pp. 114 & 115. Orthotype, *Latris ciliaris* Richardson, i.e. *Anthias ciliaris* Bloch & Schneider. *Evisitius* Gill, Mem. Nat. Acad. Sci. Wash. vi, 1893, pp. 114 & 123. Haplotype, *Platystethus huttonii* Gunther.

LATRIDOPSIS CILIARIS

Moki

Anthias ciliaris Bloch & Schneider, Syst. Ichth., 1801, p. 310. N.Z. [= South Island.]

Sciaena ciliaris Bloch & Schneider, Syst. Ichth., 1801, p. 311, *ex* Forster, MS. N.Z. [= Dusky Bay and Queen Charlotte Sound, South Island.]

LATRIDOPSIS FORSTERI

Bastard Trumpeter

Latris forsteri Castelnau, Proc. Zool. Acclim. Soc. Vict. i, July 15, 1872, p. 77. Gippsland Coast, Victoria. Type in Paris Museum.

Platystethus huttoni Gunther, Ann. Mag. Nat. Hist. (4) xvii, May 1, 1876, p. 395, Rept. Voy. Challenger, Zool. xxxi, 1889, Pelagic Fish. p. 13, pl. ii, figs. H (type) and I; Trans. N.Z. Inst. ix, May, 1877, p. 470. Dunedin.

LATRIDOPSIS AEROSA

Latris aerosa Hutton, Trans. N.Z. Inst. ix, 1877, p. 353. Otago Heads.

Genus LATRIS

Latris Richardson, Proc. Zool. Soc. Lond. vii, 1839, p. 98. Haplotype, *Latris hecateia* Richardson.

LATRIS LINEATA

Trumpeter; Kohikohi

Cichla lineata Bloch and Schneider, Syst. Ichth. 1801, p. 342. N.Z. = South Island (Dusky Sound).

Sciaena lineata Bloch and Schneider, Syst. Ichth. 1801, p. 342, *ex* Forster, MS. N.Z. [= South Island.]

Sciaena salmonea Richardson, Trans. Zool. Soc. (Lond.) iii, June 16, 1842, p. 114, *ex* Parkinson, MS. Totaeranui, Queen Charlotte Sound.

Family POMACENTRIDAE

Genus PARMA

Parma Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 57. Logotype, *P. microlepis* Gunther, designated by Jordan, Gen. Fish. iii, 1919, p. 318.

PARMA MICROLEPIS

Parma microlepis Gunther, Cat. Fish. Brit. Mus. iv, 1862, p. 57. Port Jackson, New South Wales.

Parma sp. (J. Moreland, in lit.—new record for N.Z.).

Genus CHROMIS

Chromis Cuvier, Bull. Soc. Sci. Philom. Paris, Oct. 1814, p. 88. Tautotype,
Sparus chromis Linne.

CHROMIS DISPILUS

Puller

Chromis dispilus Griffin, Trans. N.Z. Inst. liv, Dec. 14, 1923, p. 254, pl. xxv.
Off Reef Point, near Ahipara Bay, North Auckland district; trawler.

Family ODACIIDAE

Genus COREGONOIDES

Coregonoides Richardson, Ann. Mag. Nat. Hist. xi, June 1, 1843, p. 426.
Haplotype, *Odax vittatus* Richardson.

COREGONOIDES VITTATUS

Kelp Fish; Tarao

Odax vittatus Richardson, Ann. Mag. Nat. Hist. xi, June 1, 1843, p. 426,
ex Solander, MS. Mattaruhow.

Coregonoides vittatus Richardson, Ann. Mag. Nat. Hist. xi, 1843, p. 426, *ex*
Solander, MS. Mattaruhow.

Coregonus vittatus Richardson, Ann. Mag. Nat. Hist. xi, June 1, 1843, p. 426,
ex Solander, MS. Mattaruhow.

Callyodon coregonoides Richardson, Ann. Mag. Nat. Hist. xi, 1843, p. 427,
ex Parkinson, MS. Mattaruhow.

?*Odax vittatus* var. Arthur, Trans. N.Z. Inst. xvii, May 1885, p. 169, pl. xiv,
fig. 7. Off Otago Heads, N.Z.

Genus CORIDODAX

Coridodax Gunther, Cat. Fish. Brit. Mus. iv, 1862, pp. 69 & 243. Haplotype,
C. pullus (Forster).

CORIDODAX PULLUS

Greenbone, Butterfish, Southern Kelp Fish; Marari

Scarus pullus Bloch and Schneider, Syst. Ichth. 1801, p. 208. N.Z. [Queen
Charlotte Sound.]

Sparus pullus Bloch and Schneider, Syst. Ichth. 1801, p. 288, *ex* Forster, MS.
N.Z. [= Queen Charlotte Sound.]

Odax pullus Cuvier and Valenciennes, Hist. Nat. Poiss. xiv, "1839" = Jan.
1840, p. 304, pl. cccviii. N.Z. (Forster) and Westernport, Victoria.

Family LABRIDAE

Genus PSEUDOLABRUS

Labroides Richardson, Ann. Mag. Nat. Hist. xi, June 1, 1843, p. 426.
Haplotype, *L. asellinus* Richardson, *ex* Solander MS. *Nomen nudum*.

Not *Labroides* Bleeker, 1851, another genus of fishes.

Pseudolabrus Bleeker, Proc. Zool. Soc. Lond. 1861 (Apr. 7, 1862), p. 413.
Orthotype, *Labrus rubiginosus* Temminck and Schlegel, 1845 = *Pseudolabrus*

japonicus (Houttuyn 1782)—*vide* Jordan, Gen. Fish.

Lunolabrus Whitley, Rec. Austr. Mus. xix, Aug. 2, 1933, p. 86. Orthotype,
Labrus miles Bloch and Schneider.

Subgenus LUNOLABRUS

PSEUDOLABRUS (LUNOLABRUS) MILES

Scarlet Parrotfish; Soldier; Puwai-whakarua; Pau

Labrus miles Bloch & Schneider, Syst. Ichth. 1801, p. 264. N.Z. (Cook) =
South Island.

Labrus coccineus Bloch and Schneider, Syst. Ichth. 1801, p. 264, *ex* Forster,
MS. N.Z. [= South Island.]

Julis rubiginosus Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 218
and Ann. Mag. Nat. Hist. xi, June 1, 1843, p. 425. Mattaruhow and
Cape Kidnappers, N.Z. Not *Labrus rubiginosus* Risso, 1826 or Temminck
and Schlegel, 1845.

- Sparus rubiginosus* Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 218, ex Solander, MS. Off Cape Kidnappers, N.Z.
- Julis prasiophthalmus* Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 218. *Nomen nudum*. N.Z.
- Sparus prasiophthalmus* Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 218. *Nomen nudum* ex Solander, MS. Queen Charlotte Sound.
- Julis rubecula* Richardson, Ann. Mag. Nat. Hist. xi, June 1, 1843, p. 423, ex *Sparus rubecula* Solander MS. Totaeranue = Ship Cove, Queen Charlotte Sound and Cape Kidnappers, N.Z. (type-loc. according to Solander's MS. in British Museum (Natural History).)
- Sparus rubecula* (and) var. *pallidior* Richardson, Ann. Mag. Nat. Hist. xi, June 1, 1843, p. 424, ex Solander, MS. Cape Kidnappers, N.Z.
- Labrichthys roseipunctata* Hutton, Trans. N.Z. Inst. xii, May 1880, p. 450. Dunedin.
- Pseudolabrus cossyphoides* Steindachner, Anzeiger Akad. Wiss. Wien. 37th year, no. xvi, 1900, p. 176; Denkschr. Akad. Wiss. Wien. lxx, 1901, p. 503, pl. ii, fig. 1. N.Z.

PSEUDOLABRUS (LUNOLABRUS) CELIDOTUS

Spotty; Paekirikiri

- Labrus celidotus* Bloch & Schneider, Syst. Ichth. 1801, p. 265, ex Forster, MS. N.Z. (Cook) = South Island.
- Labrus poecilopleura* Cuvier & Valenciennes, Hist. Nat. Poiss. xiii, "1839" = Dec. 1838, p. 95. N.Z. (Lesson and Garnot.)
- Julis notatus* Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 218. *Nomen nudum*. [Tolaga Bay] N.Z.
- Sparus notatus* Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 218; Zool. Voy. Erebus and Terror, Fish. 1846, p. 46, ex Solander, MS. [Tolaga Bay.] Not *Sparus notatus* Shaw, 1803.
- Sparus stellatus* Richardson, Ann. Mag. Nat. Hist. xi, June 1, 1843, p. 426. *Nomen nudum* ex Solander, MS. Toteeranue [= Ship] Cove [Queen Charlotte Sound] and Tolaga Bay, N.Z.
- Labroides asellinus* Richardson, Ann. Mag. Nat. Hist. xi, June 1, 1843, p. 426. *Nomen nudum* ex Solander, MS. Ship Cove and Tolaga Bay, N.Z. = Cape Kidnappers in Solander's original MS.
- Labrus botryocosmus* Richardson, Zool. Voy. Erebus and Terror, Fish. 1846, p. 53, pl. xxxi, figs. 6-10. Coasts of South Australia and Van Diemen's Land.
- Labrichthys fucicolor* Hutton, Trans. N.Z. Inst. xxii, May 1890, p. 281. Error for *Labrus fucicola* Richardson, Proc. Zool. Soc. Lond. viii, Aug. 1840, p. 26 (Port Arthur, Tasmania).

Subgenus PSEUDOLABRUS

PSEUDOLABRUS INSCRIPTUS

Wrasse

- Labrus inscriptus* Richardson, Zool. Voy. Erebus and Terror, Fish. 1848, p. 134, pl. lvi, figs. 1-2. Norfolk Island.
- Note: Kermadec Is.—Waite.

PSEUDOLABRUS LUCULENTUS

- Labrus luculentus* Richardson, Zool. Voy. Erebus and Terror, Fish 1848, p. 130. Norfolk Island, Eastern and Western Australia.
- Note: Kermadec Is.—Waite.

PSEUDOLABRUS CINCTUS

- Labrichthys cincta* Hutton, Trans. N.Z. Inst. ix, May 1877, p. 354. Coasts of Otago.

PSEUDOLABRUS PITTENSIS

Pseudolabrus pittensis Waite, Proc. N.Z. Inst. 1910, pt. i, Sept. 10, 1910, p. 26. Off Pitt Island, Chatham Group. Figured in Rec. Canterb. Mus. i, 3, June 24, 1911, p. 226, pl. xlviii.

Genus PICTILABRUS

Pictilabrus Gill, Proc. U.S. Nat. Mus. xiv, 1891 (1892), p. 403. Haplotype, *Labrichthys laticlavius* auctt. = *Labrus laticlavius* Richardson.

PICTILABRUS LATICLAVIUS

Senator

Labrus laticlavius Richardson, Proc. Zool. Soc. London, vii, Nov. 1839, p. 99; viii, Aug. 1840, p. 26. Port Arthur, Tasmania.

Genus TIRICORIS

Tiricoris Whitley, Austr. Zool. xii, 2, July 18, 1955, p. 111. Orthotype, *Cymolutes sandeyeri* Hector.

TIRICORIS SANDEYERI

King Wrasse

Cymolutes sandeyeri Hector, Trans. N.Z. Inst. xvi, May 1884, p. 323. Tiritiri Island, Auckland (S. "Sandeyer" [= Sandager]).

Cymolutes sandageri Sandager, Trans. N.Z. Inst. xx, May 1888, p. 130.

Coris sandageri Phillipps, N.Z. Mar. Dept. Fish. Bull. i, Aug.-Dec. 1927, p. 41. Emendation.

Genus VERREO

Verreo Jordan and Snyder, Proc. U.S. Nat. Mus. xxiv, May 2, 1902, p. 619. Orthotype, *Cossyphus oxycephalus* Bleeker, Versl. Akad. Amsterdam xiv, 1862, p. 128, from Japan.

VERREO UNIMACULATUS

Red Pigfish; Pakurakura

Cossyphus unimaculatus Gunther, Cat. Fish. Brit. Mus. iv, 1862, pp. 109 and 506. Australia.

VERREO BELLIS

Banded Pigfish; Kotakota

Cossyphus bellis Ramsay and Ogilby, Proc. Linn. Soc. N.S.Wales (2) ii, Nov. 30, 1887, p. 561. Shoalhaven district, New South Wales.

Genus DUYMAERIA

Duymaeria Bleeker, Acta Soc. Sci. Ind.-Ned. i, 1856, p. 52. Logotype, *Crenilabrus aurigaria* Richardson.

DUYMAERIA FLAGELLIFERA

Cockatoo

Ctenolabrus flagellifer Cuv. & Val., Hist. Nat. Poiss. xiii, 1839, p. 240. No locality.

Family LEPTOSCOPIDAE

Genus LEPTOSCOPUS

Leptoscopus Gill, Proc. Acad. Nat. Sci. Philad. 1859 (1860), p. 132. Haplotype, *Uranoscopus macropygus* Richardson.

LEPTOSCOPUS MACROPYGUS HUTTONII

Stargazer

Uranoscopus macropygus Richardson, Zool. Voy. Erebus and Terror, Fish. 1846, p. 55, pl. xxxiii, figs. 4-6. Port Jackson.

Leptoscopus huttonii Haast, Trans. N.Z. Inst. v, May 1873, p. 275, pl. xvi, fig. 3. Avon River.

Leptoscopus tricolor Haast, Trans. N.Z. Inst. v, May 1873, p. 276. Avon River.

Genus CRAPATALUS

- Crapatalus* Gunther, Ann. Mag. Nat. Hist. (3) vii, Feb. 1, 1861, p. 86.
Haplotype, *C. novaezealandiae* Gunther. *Id.* Gill, Proc. Acad. Nat. Sci. Philad. xiii, 1861, p. 109.

CRAPATALUS NOVAEZELANDIAE

Sandfish

- Crapatalus novaezealandiae* Gunther, Ann. Mag. Nat. Hist. (3) vii, Feb. 1, 1861, p. 87, pl. x, fig. A. N.Z. (British Mus.)
Leptoscopus canis Arthur, Trans. N.Z. Inst. xvii, May 1885, p. 165, pl. xiv. Off Purakanui, South Island, N.Z.
Leptoscopus robsoni Hector, Trans. N.Z. Inst. vii, June 1875, p. 248. Cape Campbell (Not in Phillipps' Bibliography).

CRAPATALUS ANGUSTICEPS

- Leptoscopus angusticeps* Hutton, Trans. N.Z. Inst. vi, June 1874, p. 106, pl. xix, fig. 36c. Greymouth Harbour, N.Z.

Note: Mr. J. Moreland informs me that *Crapatalus angusticeps* is a species distinct from *C. novaezealandiae* and occupies a separate niche.

Family CHEIMARRICHTHYIDAE

Genus CHEIMARRICHTHYS

- Cheimarrichthys* Haast, Trans. N.Z. Inst. vi, June 1874, p. 103. Haplotype, *C. fosteri* Haast. Not *Cheimarrichthys* Sauvage, Rev. Mag. Zool. (3) ii, after June 1874, p. 332, a genus of Thibetan catfishes, now *Euchiloglanis*.

CHEIMARRICHTHYS FOSTERI

Torrent Fish; Papanoko, Papane

- Cheimarrichthys fosteri* Haast, Trans. N.Z. Inst. vi, 1874, p. 103, pl. xviii, fig. 38a. Otira Gorge.

Family PARAPERCICHTHYIDAE

Genus PARAPERCICHTHYS

- Parapercichthys* Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxxix, 2, Sept. 1939, p. 235. Orthotype, *Enchelyopus colias* Bloch and Schneider.

PARAPERCICHTHYS COLIAS

Blue Cod; Rawaru

- Enchelyopus colias* Bloch and Schneider, Syst. Ichth. 1801, p. 54. N.Z. = South Id.*

G[adus] c[olias] Bloch and Schneider, Syst. Ichth. 1801, p. 54, *ex* Forster, MS. [South Island of] N.Z.

Percis nichthemera Cuv. & Val., Hist. Nat. Poiss. iii, 1829, p. 274. [Bay of Islands] N.Z. (Lesson & Garnot). Name variously spelt by later authors.

Labrus macrocephalus Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 207; Rept. 12th meet. B.A.A.S. 1842 (1843), p. 16. *Nomen nudum ex* Solander MS. Queen Charlotte Sound. Preoccupied by *Labrus macrocephalus* Lacepede, Hist. Nat. Poiss. iii, 1802, p. 432.

Family PARAPERCIDAE

Genus NEOPERCIS

- Neopercis* Steindachner and Doderlein, Denkschr. Akad. Wiss. Wien xlv, 1885, p. 212. New name for *Parapercis* Steindachner, 1884, preoccupied. Type-species, therefore, *P. ramsayi*, Steindachner, although that species is not

* Forster (Descr. Anim. 1844, p. 122) gives the localities for *Gadus colias* as "Habitat in mari alluente insulam australem Novae Zeelandiae, in fundi maris saxoso; in Portu obscuro multo maior; in Aestuario Reginae Charlottae minor constanter hamo captus hic *Gadus*"

I therefore select Dusky Sound as type-locality.

mentioned by Steindachner and Doderlein, who selected no type-species. Cantwell (Pacific Science xviii, July 1964, p. 242) correctly selected *ramsayi*.

NEOPERCIS GILLIESII

Grubfish

Percis gilliesii Hutton, Ann. Mag. Nat. Hist. (5) iii, Jan. 1, 1879, p. 53. Brighton, near Dunedin (R. Gillies).

Family URANOSCOPIDAE

Genus KATHETOSTOMA

Kathetostoma Gunther, Cat. Fish. Brit. Mus. ii, 1860, p. 231. Haplotype, *Uranoscopus laevis* Bloch & Schneider.

KATHETOSTOMA GIGANTEUM

Stargazer; Flathead

Kathetostoma giganteum Haast, Trans. N.Z. Inst. v. May 1873, p. 274, pl. xvi, fig. 2. Heathcote estuary, near Sumner.

KATHETOSTOMA FLUVIATILE

Kathetostoma fluviatilis Hutton, Cat. Fish. N.Z., Feb. 1872, p. 24. Manawatu River, N.Z.

Genus GENYAGNUS

Genyagnus Gill, Proc. Acad. Nat. Sci. Philad. 1861, pp. 111 and 115. Haplotype, *Uranoscopus monopterygius* Bloch and Schneider.

Synnema Haast, Trans. N.Z. Inst. v, May 1873, p. 274. Haplotype, *S. monopterygium* Bloch & Schneider.

GENYAGNUS MONOPTERYGIUS

Catfish

Uranoscopus monopterygius Bloch & Schneider, Syst. Ichth. 1801, p. 49. N.Z. (type) and Tahiti. Type-loc.: South Island.

Uranoscopus maculatus Bloch & Schneider, Syst. Ichth. 1801, p. 49, *ex* Forster, MS. N.Z. and Tahiti. Type-loc. South Island.

Uranoscopus cirrhosus Cuv. & Val., Hist. Nat. Poiss. iii, April, 1829, pp. 314 and 319. N.Z. (Lesson and Garnot.)

Uranoscopus forsteri Cuv. & Val., Hist. Nat. Poiss. iii, April, 1829, p. 318. N.Z. (Forster).

Uranoscopus kouripua Lesson, Voy. Coquille, Zool. ii, 1, 1829, p. 217, pl. xviii. Bay of Islands, N.Z.

Uranoscopus kouripoua Lesson, Dict. Class. d'Hist. Nat. xvi, October 1830, p. 469. Same as *U. cirrhosus* Cuv. & Val. N.Z.

Uranoscopus maculosus Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 207; Zool. Voy. Erebus and Terror, Fish. 1846, p. 54, *ex* Solander, MS. No locality [Doubtless South Island of N.Z.]. (Solander's description reproduced).

Genus GNATHAGNOIDES

Gnathagnoides Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxi, September 1939, p. 235. Orthotype, *Gnathagnus innotabilis* Waite.

GNATHAGNOIDES INNOTABILIS GRANDIOR

Gnathagnus innotabilis Waite, Rec. Austr. Mus. v, 4, June 16, 1904, p. 238, pl. xxvi, fig. 1. Off Narrabeen, N.S.Wales.

Gnathagnoides innotabilis grandior Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxi, Sept. 1939, p. 235. N.Z.

Family NOTOTHENIIDAE

Genus HARPAGIFER

Harpagifer Richardson, Zool. Voy. Erebus and Terror, Fish. 1844, p. 11. Haplotype, *Batrachus bispinis* Bloch and Schneider, 1801, from Tierra del Fuego and Cape Horn.

HARPAGIFER BISPINIS

Hornhead

Batrachus bispinis Bloch and Schneider, Syst. Ichth. 1801, p. 45. Tierra del Fuego.

Callionymus bispinis Bloch and Schneider, Syst. Ichth. 1801, p. 45, ex Forster, MS. Tierra del Fuego.

Harpagifer palliolatus Richardson, Zool. Voy. Erebus and Terror, Fish. 1845, p. 20, pl. xii, figs. 5-7. Falkland Islands.

Note: Recorded from Macquarie Island by Hamilton (Trans. N.Z. Inst. xxvii, May 1895, p. 577) and by Norman.

Genus NOTOTHENIA

Notothenia Richardson, Zool. Voy. Erebus and Terror, Fish. 1844, p. 5. Logotype, *N. coriiceps* Richardson, from Kerguelen Land, *vide* Jordan Gen. Fish.

NOTOTHENIA PURPURICEPS

Purple Head

Notothenia purpuriceps Richardson, Zool. Voy. Erebus & Terror, Fish. 1844, p. 7, pl. ii, figs. 3-4. Otago Heads and Kerguelen Island.

NOTOTHENIA CORNUCOLA

Notothenia cornucola Richardson, Zool. Voy. Erebus & Terror, Fish. 1844, p. 8, pl. viii, figs. 4 & 5. Cape Horn, South America.

Notothenia marginata Richardson, Zool. Voy. Erebus & Terror, Fish. 1844, p. 18, pl. xii, figs. 1 & 2 (not 3 & 4 as stated in text). Falkland Iss.

NOTOTHENIA MAORIENSIS

Maori Chief

?*Notothenia macrocephalus* Gunther, Cat. Fish. Brit. Mus. ii, 1860, p. 263, Falkland Islands. D.5/30-31; A.21. Lateral line interrupted below 3rd dorsal ray before last.

Notothenia maoriensis Haast, Trans. N.Z. Inst. v, 1873, p. 276, pl. xvi and fig. Lyttelton Harbour. D.3/29; A.23. Lateral line extending to below last dorsal ray.

Notothenia angustata Hutton, Ann. Mag. Nat. Hist. (4) xvi, Nov. 1875, p. 315. *Id.* Hutton & Ulrich, Rept. Geol. Goldfields Otago, 1875 (pref. June), p. 133; Trans. N.Z. Inst. viii, May 1876, p. 213. Dunedin & Bluff Harbours.

Notothenia arguta Hutton, Trans. N.Z. Inst. xi, May 1879, p. 339. Campbell Id.

NOTOTHENIA MICROLEPIDOTA

Black Cod

Notothenia microlepidota Hutton, Ann. Mag. Nat. Hist. (4) xvi, Nov. 1875, p. 316; and Hutton and Ulrich, Rept. Geol. Goldfields Otago, 1875, p. 133, *nom. nud.*; Trans. N.Z. Inst. viii, May 1876, p. 213. Dunedin and Moeraki.

Notothenia parva Hutton, Trans. N.Z. Inst. xi, May 1879, p. 339 and xii, 1880, p. 465. Auckland Islands.

NOTOTHENIA FILHOLI

Notothenia filholi Sauvage, Bull. Soc. Sci. Philom. (7) iv, 1880, p. 228. Campbell Island—*vide* Zool. Record.

NOTOTHENIA COLBECKI

Notothenia colbecki Boulenger, Rept. Nat. Hist. Coll. Southern Cross, 1902, p. 185, pl. xvi. Campbell Island.

Note: Macquarie Id. (Waite).

NOTOTHENIA MACQUARIENSIS

Notothenia coriiceps var. *macquariensis* Waite, Sci. Rept. Austral. Antarc. Exped. (c) iii, 1, Fish., June 30, 1916, p. 64, pl. v, fig. 3 and text-fig. 15. Macquarie Island, *teste* Regan, 1916.

Genus AURION

Aurion Waite, Sci. Rept. Austral. Antarc. Exped. (c) iii, 1, Fish., June 30, 1916, p. 62. Orthotype, *A. effulgens* Waite.

AURION EFFULGENS

Aurion effulgens Waite, Sci. Rept. Austral. Antarc. Exped. (c) iii, 1, Fish., June 30, 1916, p. 63, pl. iv, fig. 3. South-west of Adam's Island, Auckland Islands.

Family BOVICHTIDAE

Genus BOVICHTUS

Bovichtus Cuvier & Valenciennes, Hist. Nat. Poiss. viii, "1831" = Jan. 1832, p. 486. Haplotype, *Callionymus diacanthus* Carmichael.

Emended to *Bovichthys* by Agassiz, Nomencl. Zool., Pisc., 1845, p. 9.

BOVICHTUS PSYCHROLUTES

Bovichthys psychrolutes Gunther, Cat. Fish. Brit. Mus. ii, 1860, p. 250. Antarctic Ocean, 50°S. by 172°W.

Bovichtus psychrolutes Parrott, Rec. Domin. Mus. iii, 1958, pp. 109 & 113.

BOVICHTUS VARIEGATUS ROSEOPICTUS

Horny, Thornfish

Bovichthys variegatus Richardson, Zool. Voy. Erebus & Terror, Fish. 1846, p. 56, pl. xxxiv, figs. 1-4. Port Jackson.

Bovichthys roseopictus Hutton, Trans. N.Z. Inst. xxxvi, Aug. 1904, p. 148. Sumner, N.Z.

Family CALLIONYMIDAE

Genus YERUTIUS

Yerutius Whitley, Rec. Austr. Mus. xviii, 3, March 25, 1931, p. 115. Orthotype, *Callionymus apricus* McCulloch.

YERUTIUS PHASIS

Dragonet

Callionymus phasis Gunther, Voy. Challenger, Zool. i, 6, 1880, p. 28, pl. xv, fig. C. Off Twofold Bay, New South Wales.

Note: Specimens from Oamaru (Otago Museum) and the North Island (Dominion Museum). New record for New Zealand, from which the species was first recognized by J. Moreland (MSS).

Family SARDIDAE

Genus KATSUWONUS

Katsuwonus Kishinouye, Sui. Gak. Ho, i, 1915, p. 21; J. Coll. Agric. Tokyo vii, 1, 1919, p. 1. Orthotype, *Scomber pelamis* Linne.

Kentsuwonion Roule, Ann. Stat. Oceanogr. Salammbo ii, 1926, p. 14. Error.

KATSUWONUS VAGANS

Striped Tuna

Thynnus vagans Lesson, Dict. Class. d'Hist. Nat. xv, May 1829, p. 278. Dangerous Island, near Tahiti; Lesson Voy. Coquille, Zool. ii, 1829, p. 162, pl. xxxii. (*Thynnus pelamys* Anon., Proc. N.Z. Inst. xlv, 1916 (1917), p. 556 from between Napier and Gisborne is doubtless this).

Genus NEOTHUNNUS

Neothunnus Kishinouye, J. Coll. Agric. Univ. Tokyo viii, 3, 1923, pp. 433 and 445. Logotype, *N. macropterus* Temminck and Schlegel.

NEOTHUNNUS MACROPTERUS

Yellowfin Tuna

Thynnus macropterus Temminck & Schlegel, Faun. Japon., Pisc. 1844, p. 98, pl. li. South-western Japan.

Neothunnus itosibi Jordan & Evermann, Occ. Pap. Calif. Acad. Sci. xii, Sept. 30, 1926, p. 22, pl. vi. Honolulu (type) and Japan.

Note: Powell's record was based on a 187 lb. specimen from North Cape, 25/2/1935. He was misled by a fisherman as to its locality.

Genus ALLOTHUNNUS

Allothunnus Serventy, Rec. Canterb. Mus. v, 3, 1948, p. 131. Orthotype, *A. fallai* Serventy. Earlier as a *nomen nudum* in Fisheries Newsletter vi, 1, 1947, p. 23.

ALLOTHUNNUS FALLAI

Fallai's Tuna

Auxis sp. nov. Young, Ann. Rept. Otago Univ. Mus. 1921 (1922), p. 12. Moeraki. And New Zealand records of *A. thazard* (*non* Lacepede, 1801).

Allothunnus fallai Serventy, Rec. Canterb. Mus. v, 3, 1948, p. 131, pls. xxviii-xxix. Timaru (holotype), Kaiapoi, and Akaroa; all south of 43°S. lat. Types in Canterbury Museum.

Genus GERMO

Germo Jordan, Proc. Acad. Nat. Sci. Philad. Aug. 7, 1888, p. 180. Tautotype, *Scomber alatunga* Gmelin, Syst. Nat. (Linne) ed. 13, i, 3, 1789, p. 1330. Mediterranean.

GERMO GERMON STEADI

Albacore

Germo germon steadi Whitley, Rec. Austr. Mus. xix, Aug. 2, 1933, p. 81, pl. xi, fig. 1. N.S.Wales.

Genus THINNUS

Thinnus S.D.W., Analyst. v, 1837, p. 208. Logotype, *Scomber thynnus* Linne.

Thunnus South, Encycl. Metropolitana xxv, 12, 1845, p. 620. Tautotype, *Scomber thynnus*, Linne.

THINNUS MACCOYII

Bluefin Tuna, Tunny

Thynnus maccoyii Castelnau, Proc. Zool. Acclim. Soc. Vict. i, July 15, 1872, p. 104. Melbourne Market.

Thunnus phillipsi Jordan and Evermann, Occas. Pap. Calif. Acad. Sci. xii, Sept. 30, 1926, p. 13, pl. ii, fig. 4. Bay of Islands, N.Z.

Thynnus pacificus Thomson and Anderton, Bull. N.Z. Board Sci. Art. 11, 1921, p. 79. *Non* Cuvier. Otago Harbour.

Note: Dr. D. L. Serventy (1942, MS.) states: "*Pelamys chilensis?* Hutton, Fishes of New Zealand, 1872, p. 22, is really *Thunnus maccoyii* (*T. phillipsi*)".

Family SCOMBRIDAE

Genus PNEUMATOPHORUS

Pneumatophorus Jordan & Gilbert, Proc. U.S. Nat. Mus. v, 1883, p. 593, as subgenus of *Scomber*. Tautotype, *Scomber pneumatophorus* De La Roche.

PNEUMATOPHORUS AUSTRALASICUS

Mackerel, Tawatawa

Scomber australasicus Cuvier & Valenciennes, Hist. Nat. Poiss. viii, "1831" = Jan. 1832, p. 49. King George's Sound, Western Australia.

Scomber loo? Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 209, *ex Scomber scombrus* Solander, MS. Queen Charlotte Sound. Not *Scomber*

loo Lesson, Dict. Class. Hist. Nat. xv, 1829, p. 277; and not *Scomber scombrus* Linne, 1758.

Scomber (Scombrus) solandris Richardson, Rept. 12th. meet. B.A.A.S. 1842 (late 1843), p. 20, ex *Scomber scombrus* Solander, MS., non Linne. Virtually a *nomen nudum*. Queen Charlotte Sound.

Scomber pneumatophorus Waite, Rec. Cant. Mus. i, 3, June 24, 1911, p. 233. Palliser Bay; 14 faths. Not *S. pneumatophorus* De La Roche, Ann. Mus. Hist. Nat. Paris xiii, 1809, p. 344.

Family GASTEROCHISMATIDAE

Genus GASTEROCHISMA

Gasterochisma Richardson, Ann. Mag. Nat. Hist. xv, May 1, 1845, p. 346. Haplotype, *G. melampus* Richardson.

Lepidothynnus Gunther, Rept. Voy. Challenger, Zool. xxxi, pref. Jan. 23, 1889, p. 15. Haplotype, *L. huttonii* Gunther.

GASTEROCHISMA MELAMPUS

Butterfly Mackerel

Gasterochisma melampus Richardson, Ann. Mag. Nat. Hist. xv, May 1, 1845, p. 346. Port Nicolson, N.Z.

Lepidothynnus huttonii Gunther, Rept. Voy. Challenger, Zool. xxxi, pref. Jan. 23, 1889, p. 15, pl. vi, figs. A-i. Lyttelton Harbour; driven on shore, April 17, 1887.

Family SCOMBEROMORIDAE

Genus CYBIUM

Cybiium Cuvier, Regne Anim. ed. 2, ii, April, 1829, p. 199. Logotype, *C. commersonii* Cuvier = *Scomber commerson* Lacepede, selected by Gill, 1863.

CYBIUM GUTTATUM?

Spanish Mackerel

Scomber guttatus Bloch & Schneider, Syst. Ichth., 1801, p. 23, pl. v. Tranquebar, Madras, India.

Note: The records of this tropical fish from New Zealand and the Chatham Islands are very doubtful.

Family LUVARIDAE

Genus LUVARUS

Luvarus Rafinesque, Carat. n. gen. 1810, p. 22. Type, *Luvarus imperialis* Rafinesque.

LUVARUS IMPERIALIS

Luvaru

Luvarus imperialis Rafinesque, Caratt. n. gen. 1810, p. 22. Sicily, Mediterranean Sea.

Family LAMPRIDAE

Genus LAMPRIS

Lampris Retzius, K. Vet. Ac. Nya. Handl. xx, 1799, p. 97. Type, *Zeus guttatus* Brunnich = *Zeus regius* Bonnaterre (*fide* Jordan, Gen. Fish).

LAMPRIS REGIUS

Moonfish

Zeus regius Bonnaterre, Tabl. Encycl. Meth. Ichth. 1788, p. 72. Torbay, England (Pennant, Brit. Zool.).

Zeus luna Gmelin, Syst. Nat. (Linne) ed. 13, i, 1789, p. 1225. "Habitat in mari Normanniam alluente".

Zeus guttatus Brunnich, Nye, Saml. K. Danske. Skrift. iii, 1788, p. 403—*fide* Sherborn.

Family XIPHIIDAE

Genus XIPHIAS

Xiphias Linne, Syst. Nat. ed. 10, 1758, p. 248; ed. 12, 1766, p. 432. Haplotype, *X. gladius* Linne.

XIPHIAS ESTARA

Broadbill Spearfish or Swordfish; Paea

Xiphias estara Phillipps, N.Z. J. Sci. Tech. xiii, 4, Feb. 1932, p. 231. Hokitika, N.Z. Type figured as *X. gladius* by Phillipps, Trans. N.Z. Inst. lvi, 1926, p. 535, pl. xci.

Family ISTIOPHORIDAE

Genus MARLINA

Marlina Grey, Natural History (New York) xxviii, 1, 1928, p. 47. Haplotype, the N.Z. Form of the Japanese *M. mitsukurii* = *Makaira zelandica* Jordan & Evermann.

MARLINA ZELANDICA

Striped Marlin

Makaira zelandica Jordan & Evermann, Occas. Pap. Calif. Acad. Sci. xii, Sept. 30, 1926, p. 65, pl. xix, fig. 2. Near Russell, Bay of Islands. Holotype in Auckland Museum (Powell, Rec. Auck. Inst. ii, 1941, p. 239).

Genus ISTIOMPAX

Istiompax Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 321. Orthotype, *I. australis* Whitley [= W. S. Wall, 1854].

ISTIOMPAX INDICUS

Black Marlin

Tetrapturus indicus Cuvier & Valenciennes, Hist. Nat. Poiss. viii, "1831" [= 1832], p. 286. Sumatra. Compare Morrow, Copeia, 1959 (4), 1959, p. 347, fig. 1, of holotype.

Tetrapturus australis [Wall,] Illustrated Sydney News, March 11, 1854, with woodcut. Broken Bay, New South Wales. Figure reproduced in Whitley, Austr. Mus. Mag. xi, 9, 1955, p. 292, fig.

Istiompax australis Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 321 and Rec. Austr. Mus. xviii, 1931, p. 148. Off Wollongong, New South Wales.

ISTIOMPAX MAZARA

Howard's Marlin

Tetrapturus mazara Jordan & Snyder, J. Coll. Sci. Imp. Univ. Tokyo xv, 1901, p. 305, pl. ii. Misaki, Sagami, Japan.

Istiompax howardi Whitley, Austr. Zool. xii, 1954, p. 58, pl. iii, fig. 3. Bermagui, New South Wales.

Family TRICHIURIDAE

Genus LEPIDOPUS

Lepidopus Gouan, Hist. Pisc., 1770, pp. 107 & 185. Haplotype, *L. gouani* Gouan.

LEPIDOPUS LEX

Frostfish; Tikati, Para

Lepidopus lex Phillipps, N.Z. J. Sci. Tech. xiii, 4, Feb. 1932, p. 232. "All parts of N.Z."

Genus SCARCINA

Scarcina Rafinesque, Car. n. gen., 1810, p. 20. Haplotype, *S. argyrea* Rafinesque.

Benthodesmus Goode & Bean, Proc. U.S. Nat. Mus. iv, 1882, p. 380. Orthotype, *Lepidopus elongatus* Clarke.

SCARCINA ELONGATA

Slender Frostfish

Lepidopus elongatus Clarke, Trans. N.Z. Inst. xi, May 1879, p. 294, pl. xiv. Hokitika Beach.

Family ACINACEIDAE

Genus LEIONURA

Leionura Bleeker, Nat. Tijdschr. Ned. Ind. xxi, 1860, p. 68, ex Kuhl & Van Hasselt, MS. Haplotype, *L. esox* Bleeker.

Thyrsites of authors following Cuvier & Val., not *Thyrsites* Lesson, 1829, sensu stricto.

LEIONURA ATUN DENTATUS

Barracouta; Manga

Scomber atun Euphrasen, K. Vet. Akad. Nya. Handl. xii, 1791, p. 315. Cape of Good Hope (type) and Java.

Scomber dentatus Bloch and Schneider, Syst. Ichth. 1801, p. 24, ex Forster, MS. [Queen Charlotte Sound] N.Z.

Scomber lanceolatus Cuv. & Val., Hist. Nat. Poiss. viii, "1831" = Jan. 1832, p. 204, ex Forster, MS. Queen Charlotte Sound, N.Z.

Scomber splendens Richardson, Trav. N. Zeal. (Dieff.) ii, Jan. 1843, p. 209; Rept. 12th meet. B.A.A.S. 1842 (1843) p. 20, ex Solander, MS. Murderer's Bay, N.Z.

Scomber dentex Richardson, Trav. N.Z. (Dieff.) ii, Jan. 1843, p. 209; Rept. 12th meet. B.A.A.S. 1842 (1843) p. 20, ex Forster, MS. Queen Charlotte Sound, N.Z. Name preoccupied by *Scomber dentex* Bloch and Schneider, Syst. Ichth. 1801, p. 30.

Genus REXEA

Rexea Waite, Proc. N.Z. Inst. 1910, ii (Publ. Jan. 18, 1911), p. 49. Orthotype, *R. furcifera* Waite = *Gempylus solandri* Cuv. & Val.

Jordanidia Snyder, Proc. U.S. Nat. Mus. xl, May 26, 1911, p. 527. Orthotype, *J. raptor* Snyder.

REXEA SOLANDRI

Hake; King Barracouta; Southern Kingfish; Smoked Hake; Tikati

Gempylus solandri Cuv. & Val., Hist. Nat. Poiss. viii, "1831" = Jan. 1832, p. 215 "New Holland" = Bay of Islands, N.Z. 2/12/1769.

Scomber macrophthalmus Cuv. & Val., *ibid.* p. 215, ex Solander, MS. Preoccupied by *Scomber macrophthalmus* Rafinesque, Ind. ittiol. Sicil. 1810, pp. 20 and 53.

Rexea furcifera Waite, Proc. N.Z. Inst. 1910, ii (Jan. 18, 1911), p. 49; Rec. Canterb. Mus. i, 3, 1911, p. 226, pl. lii, N.Z.

Genus ACINACEA

Acinacea Bory de St. Vincent, Voy. iles. Afriq. i, 1804, p. 93; Dict. Class. Hist. Nat. i, 1822, p. 93, pl. cv. Haplotype, *A. notha* Bory.

Gempylus Cuvier, Regne Anim. ed. 2, ii, April 1829, p. 200. Haplotype, *G. serpens* Cuv.

Lemnisona Lesson, Voy. Coquille, Zool. ii, 1829, p. 160. Haplotype, *L. thyrstitoides* Lesson, from Pacific Ocean near the Paumotu Archipelago.

Lucoscombrus Van der Hoeven, Handb. Dierkunde ii, 1855, p. 367; Handb. Zool. (ed Clark) ii, 1858, p. 161. Logotype, *Gempylus serpens*, selected by Whitley, Rec. Austr. Mus. xvii, 1929, p. 119.

ACINACEA NOTHA

Scabbard Fish

Acinacea notha Bory de St. Vincent, Voy. iles. Afriq., 1804, p. 93; Dict. Class. Hist. nat. i, 1822, p. 93, pl. cv. Tropical Atlantic Ocean.

Gempylus serpens Cuvier, Regne Anim., ed. 2, ii, April 1829, p. 200. Based on "Serpens marinus" Sloane, Voy. Jamaica i, 1707, p. 26, pl. i, fig. 2. About Tropic of Cancer, Atlantic Ocean.

Lemnisona thyrstitoides Lesson, Voy. Coquille, Zool. ii, 1831, p. 160. Near Paumotu Islands, Pacific: 17°S. x 108°E.

Gempylus coluber Cuvier & Valenciennes, Hist. Nat. Poiss. viii, "1831" = Jan. 1832, p. 211. Tahiti.

Genus RUVETTUS

Ruvettus Cocco, Oss. Pelorit. xiii, 1833, p. 18. Haplotype, *R. pretiosus* Cocco.

RUVETTUS WHAKARI

Oil Fish

Ruvettus whakari Griffin, Trans. N.Z. Inst. lviii, Aug. 15, 1927, p. 146, pl. xv, fig. 7. White Island, Bay of Plenty; hook and line.

Genus MACHAEROPE

Machaerope Ogilby, Abstr. Proc. Linn. Soc. N.S.Wales, Nov. 30, 1898, p. ii; Proc. Linn. Soc. N.S.Wales, xxiii, 4, 1899, p. 736. Orthotype, *M. latispinis* Ogilby.

MACHAEROPE LATISPINIS

Dagger Fish

Machaerope latispinis Ogilby, Proc. Linn. Soc. N.S.Wales, xxiii, 1899, p. 737. Lord Howe Island.

Note: Kermadecs (Waite). Specimen in Canterbury Museum, Christchurch.

Family CHIASMODONTIDAE

Genus CHIASMODON

Chiasmodon Johnson, Proc. Zool. Soc. London 1863 (1864), p. 408. Haplotype, *C. niger* Johnson.

CHIASMODON sp.

Cross-toothed Perch

Chiasmodon sp. Castle Evening Post (newspaper, Wellington) 2 Sept. 1957, with fig. S.E. of Cape Palliser, 500 faths.

Family TRICHONOTIDAE

Genus TEWARA

Tewara Griffin, Trans. N.Z. Inst. lxiii, Feb. 28, 1933, p. 174. Haplotype, *T. cranwelli* Griffin.

TEWARA CRANWELLAE

Tewara cranwelli Griffin, Trans. N.Z. Inst. lxiii, Feb. 28, 1933, p. 174, pl. xxv. Smuggler's Bay, Whangarei Heads; sand. Emended to *T. cranwellae* by Whitley in Graham, Treasury N.Z. Fishes, ed. 2, 1956, p. 410.

Note: Differs from *Limnichthys* by having more than 40 anal rays, the last short, head largely scaly, many blotches along back and sides, etc.

Genus HEMEROCOETES

Hemerocoetes Cuv. & Val., Hist. Nat. Poiss. xii, March 1837, p. 311. Haplotype, *Callionymus acanthorhynchus* Bloch & Schneider = *C. monopterygius* Bloch and Schneider.

HEMEROCOETES MONOPTERYGIUS

Opal Fish

Callionymus monopterygius Bloch & Schneider, Syst. Ichth. 1801, p. 41. N.Z. (= South Island; cast ashore after storms.)

Callionymus acanthorhynchus Bloch and Schneider, Syst. Ichth. 1801, p. 41, ex Forster, MS. N.Z. (South Island).

Hemerocoetes microps Waite, Rec. Canterb. Mus. i, 3, June 24, 1911, p. 247, pl. liv, fig. 2. Sounds on the South-west coast.

HEMEROCOETES WAITEI

Blue Bonnet

Hemerocoetes waitei Regan, Terra Nova Zool. i, 1, June 27, 1914, p. 18. New name for *H. acanthorhynchus* Waite (Rec. Canterb. Mus. i, 3, June 24, 1911, p. 245, pl. liv, fig. 1) non Bloch & Schneider. (Southern Stations of the N.Z. Govt. Trawling Exped.)

HEMEROCOETES PAUCIRADIATUS

Hemerocoetes pauciradiatus Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1, 1914, p. 15. Cape North; 70 faths.

HEMEROCOETES MACROPTHALMUS

Hemerocoetes macrophthalmus Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1, 1914, p. 15. Cape North; 70 faths.

Family LIMNICHTHYIDAE

Genus LIMNICHTHYS

Limnichthys Waite, Rec. Austr. Mus. v, 3, March 11, 1904, p. 178. Haplotype, *L. fasciatus* Waite.

LIMNICHTHYS RENDAHLI

Limnichthys rendahli Parrott, Rec. Domin. Mus. iii, July 1958, pp. 109 & 116. Auckland Islands (type in Canterbury Museum, Christchurch) and New Zealand localities.

Family GOBIIDAE

Genus ACENTROGOBIUS

Acentrogobius Bleeker, Arch. Neerl. Sci. Nat. ix, 1874, pp. 292, 298 & 321. Orthotype, *Gobius chlorostigma* Bleeker, Verh. Bat. Gen. xxii, 1849, Gob., p. 27, from Surabaya.

ACENTROGOBIUS LENTIGINOSUS

Goby

Gobius lentiginosus Richardson, Zool. Voy. Erebus & Terror, Fish., 1844, p. 3, pl. i, figs. 5-6. Bay of Islands.

Genus CALLOGOBIUS

Callogobius Bleeker, Arch. Neerl. Sci. Nat. ix, 1874, p. 318. Orthotype, *Eleotris hasseltii* Bleeker.

CALLOGOBIUS ATRATUS

Callogobius atratus Griffin, Trans. N.Z. Inst. lxiii, Feb. 28, 1933, p. 176, pl. xxv. Cable Bay, Mangonui County; rock-pools.

Genus FAVONIGOBIUS

Favonigobius Whitley, Austr. Zool. vi, 2, Jan. 14, 1930, p. 122. Orthotype, *Gobius lateralis* Macleay, Proc. Linn. Soc. N.S.Wales v, May 20, 1881, p. 602, from King George's Sound, Western Australia.

FAVONIGOBIUS OBLIQUUS

Gobius lateralis var. *obliquus* McCulloch & Ogilby, Rec. Austr. Mus. xii, 10, July 14, 1919, p. 249, pl. xxxiv, fig. 4. Parramatta River and Rose Bay, New South Wales (Sydney).

Family GOBIOMORIDAE

Genus GOBIOMORPHUS

Gobiomorphus Gill, Proc. Acad. Nat. Sci. Philad., Nov. 28, 1863, p. 270. Orthotype, *Eleotris gobioides* Cuv. & Val.

Note: Mr. C. S. Woods considers there are 8 species of *Gobiomorphus* in New Zealand. One has 2 subspecies, another has 2 ecological races and he has 3 new species to be described. Radiographs of old holotypes have revealed long-standing errors of identification by authors and, according to Mr. Woods's demonstration at the A.N.Z.A.A.S. Congress in Christchurch in 1968, all the species require to be known by names other than those in current use.

GOBIOMORPHUS GOBIOIDES

Giant Bully, Toitoi, Kokopu

Eleotris gobioides Cuv. & Val., Hist. Nat. Poiss. xii, March 1837, p. 247. Bay of Islands (freshwater).

GOBIOMORPHUS BASALIS

Common Bully

Eleotris basalis Gray, Zool. Misc. (5), June 1842, p. 73. Thames River. Type in British Museum.

GOBIOMORPHUS HUTTONI

Red-finned Bully

Eleotris huttoni Ogilby, Proc. Linn. Soc. N.S.Wales (2) ix, 1894, p. 369. Waikato River. Type in Australian Museum, Sydney, figured by Whitley & Phillipps, 1939. See also Stokell, Trans. Roy. Soc. N.Z., lxxxvii, 1959, p. 269, pl. xxii, fig. 2 and McDowall, Trans. Roy. Soc. N.Z., Zool. iii (2), 1962, p. 1, figs. 1-3.

Gobiomorphus stokelli Whitley, Proc. Roy. Zool. Soc. N.S.Wales 1954-55 (April 10, 1956), p. 36. Type-locality, by present designation, Boat Creek, mouth of the Rakaia River, Canterbury.

GOBIOMORPHUS sp.

Maui's Gudgeon

(Figure 2)

Gobiomorphus sp. Woods, Native and introduced freshwater fishes, 1963, p. 41, fig. Throughout the North Island.

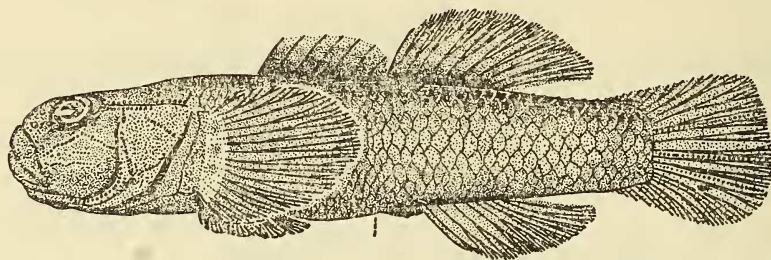


Figure 2.—Te ika a Maui, Maui's Gudgeon, *Gobiomorphus* sp.

After C. S. Woods.

GOBIOMORPHUS ALPINUS

Alpine Bully

Gobiomorphus alpinus Stokell, Trans. Roy. Soc. N.Z., Zool. ii (3), March 28, 1962, p. 33, pl. i, upper figure. Bowscale Tarn, Tarndale, Marlborough; 3,400 feet.

GOBIOMORPHUS BREVICEPS

Upland Bully

Philypnodon breviceps Stokell, Trans. Roy. Soc. N.Z. lxxix, June 1939, p. 131, pl. xv, figs. 1 & 3. Kowai River, Canterbury.

GOBIOMORPHUS HUBBSI

Blue-gilled Bully

Philypnodon sp. nov. Stokell, Freshwater fishes of N.Z., 1955, p. 59, pl. xx, ex Carl L. Hubbs, MS. Ashley River, Canterbury & Westland Rivers.

Philypnodon hubbsi Stokell, Trans. Roy. Soc. N.Z. lxxxvii, Nov. 1959, p. 267, pl. xxii, figs. 1 & 3, for above. Ashley River, Canterbury & Westland Rivers.

Genus GRAHAMICHTHYS

Grahamichthys Whitley, Proc. Roy. Zool. Soc. N.S.Wales 1954-55 (April 10, 1956), p. 34. Orthotype, *Eleotris radiata* Cuv. & Val.

GRAHAMICHTHYS RADIATUS

Graham's Gudgeon, Kurahina

Eleotris radiata Cuv. & Val., Hist. Nat. Poiss. xii, March 1837, p. 250, ex Quoy & Gaimard, MS. Thames River [i.e. marine, at the mouth of the Waihou River—*vide* McDowall, 1962].

Family BLENNIIDAE (including CLINIDAE, etc.)

Genus BLENNIUS

Blennius Linne, Syst. Nat., ed. 10, 1758, p. 256; ed. 12, 1766, p. 441, ex Artedi, Ichth. 1738, gen. xxii, p. 26. Logotype, *B. galerita* Linne.

BLENNIUS MAORICUS

Maori Blenny

Blennius maoricus Kner, Sitzb. Akad. Wiss. Wien. li, 1, May or later, 1865, p. 503. Auckland, N.Z. Figured by Kner, Reise Novara, Zool. i, Fische, 1865, p. 195, pl. viii, fig. 3.

Genus ERICENTRUS

Ericentrus Gill, Mem. Nat. Acad. Sci. Wash. vi, 1893, pp. 119 & 123. Orthotype, *Sticharium rubrum* Hutton.

ERICENTRUS RUBER

Sticharium rubrum Hutton, Cat. Fish. N.Z., Feb. 1872, p. 33. Wellington Harbour. Type rediscovered by Phillipps, Rept. Dept. Intern. Affairs, N.Z., 1919, Museum, p. 6.

Ophioclinus venusta Griffin, Trans. N.Z. Inst. lviii, Aug. 15, 1927, p. 149, pl. xvii, fig. 9. Bay of Islands; rockpool. New synonym, *teste* Mr. J. Moreland.

Genus COLOGRAMMUS

Cologrammus Gill, Mem. Nat. Acad. Sci. Wash. vi, 1893, pp. 119 and 124. Haplotype, *Sticharium flavescens* Hutton.

COLOGRAMMUS FLAVESCENS

Sticharium flavescens Hutton, Cat. Fish. N.Z., Feb. 1872, p. 33. Cook Straits.

Genus CRISTICEPS

Cristiceps Cuvier & Valenciennes, Hist. Nat. Nat. Poiss. xi, July 1836, p. 402. Haplotype, *C. australis* Cuv. & Val.

Phillippsichthys Whitley, Mem. Qld. Mus. xi, 1937, p. 143. Orthotype, *Auchenopterus aysoni* Hector.

CRISTICEPS AUSTRALIS

Crested Weed Fish

Cristiceps australis Cuvier & Valenciennes, Hist. Nat. Poiss. xi, July 1836, p. 402, pl. cccxxvi. Tasmania (type) and N.Z.

CRISTICEPS AURANTIACUS

Cristiceps aurantiacus Castelnau, Proc. Linn. Soc. N.S.Wales iii, May, 1879, p. 386. Kiama, New South Wales.

Auchenopterus aysoni Hector, Trans. N.Z. Inst. xxxiv, July 1902, p. 240, pl. xv. Bay of Islands. Types rediscovered by Phillipps, Rept. Dept. Intern. Affairs N.Z., 1919, Museum, p. 6. Mr. J. Moreland discovered that these are malformed *Cristiceps*.

Genus GILLOBLENNIUS

Gilloblennius Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxi, Sept. 1939, p. 235. Orthotype, *Blennius tripennis* Bloch & Schneider.

GILLOBLENNIUS TRIPENNIS

Threepenny

Blennius tripennis Bloch & Schneider, Syst. Ichth., 1801, p. 174, *ex* Forster, MS. N.Z. = South Island.

Tripterygion forsteri Cuvier & Valenciennes, Hist. Nat. Poiss. xi, July 1836, p. 415. No locality [probably N.Z.].

[*Blennius*] *tripinnis* Gill, Mem. Nat. Acad. Sci. Wash. vi, 1893, p. 94, footnote: Emendation for *B. tripennis* Bloch & Schneider. Equals *Blennius tripinnis* Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 212, *ex* Forster, MS.

GILLOBLENNIUS DECEMDIGITATUS

Tripterygion decemdigitatus Clarke, Trans. N.Z. Inst. xi, May 1879, p. 292, pl. xv. Dusky Sound.

Note: A good species according to Mr. J. Moreland, MS., who has been revising, in press, several unrecognized species of the old "*Tripterygion*" group, of which several new ones are to be named.

Genus FORSTERYGION

Forsterygion Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxxix, Sept. 1939, p. 236. Orthotype, *Blennius varius* Bloch & Schneider.

Note: Mr. J. Moreland has in preparation a review of this and other blennies.

FORSTERYGION VARIUM

Cockabully

Blennius varius Bloch & Schneider, Syst. Ichth., 1801, p. 178, *ex* Forster, MS. N.Z. = South Island.

Tripterygion nigripenne Cuvier & Valenciennes, Hist. Nat. Poiss. xi, July, 1836, p. 413, pl. cccxxxix. Rivers of N.Z. (Lesson & Garnot).

Tripterygion capito Jenyns, Zool. Voy. Beagle, Fish., 1841, p. 94, pl. xix, fig. 1. Bay of Islands; tidal rocks.

Tripterygion robustum Clarke, Trans. N.Z. Inst. xi, May, 1879, p. 292, pl. xv. Jackson's Bay.

Tripterygion jenningsi Hutton, Trans. N.Z. Inst. xi, May 1879, p. 339. Auckland Is.

Genus NOTOCLINOPS

Notoclinops Whitley, Mem. Qld. Mus. x, Aug. 28, 1930, p. 20. Orthotype, *Tripterygion segmentatum* McCulloch & Phillipps.

NOTOCLINOPS BUCKNILLI

Tripterygion bucknilli Griffin, Trans. N.Z. Inst. lvi, April, 26, 1926, p. 544, pl. xcvi. Mount Maunganui, Bay of Plenty.

NOTOCLINOPS SEGMENTATUS

Banded Blenny

Tripterygion segmentatum McCulloch & Phillipps, Rec. Austr. Mus. xiv, Feb. 28, 1923, p. 20, pl. iv, fig. 3. Otago.

Genus HELCOGRAMMA

Helcogramma McCulloch & Waite, Rec. S. Austr. Mus. i, 1, May 24, 1918, p. 51. Orthotype, *H. decurrens* McCulloch & Waite.

HELCOGRAMMA MEDIUM

Twister

Tripterygion medium Gunther, Cat. Fish. Brit. Mus. iii, July 1861, p. 278. N.Z. (Haslar Collection).

Tripterygion dorsalis Clarke, Trans. N.Z. Inst. xi, May 1879, p. 291, pl. xv. Mouth of Hokitika.

Enneapterygius mortenseni Rendahl, Vidensk. Medd. Dansk. nat. Foren lxxxii, Oct. 30, 1925, p. 11, figs. 3-4. Queen Charlotte Sound (T. Mortensen).

Genus NOTOCLINUS

Notoclinus Gill, Mem. Nat. Acad. Sci. Wash. vi, 1893, pp. 100, 119 & 124.
Haplotype, *Tripterygion fenestratum* of authors = *Blennius fenestratus*
Bloch & Schneider.

NOTOCLINUS FENESTRATUS

Topknot; Hetarua

Blennius fenestratus Bloch & Schneider, Syst. Ichth., 1801, p. 173, ex Forster,
MS. N.Z. = South Island.
Tripterygion compressum Hutton, Cat. Fish. N.Z., Feb. 1872, p. 32. Wellington
Harbour.

Genus ZEABLENNIUS

Zeablennius Whitley, Mem. Qld. Mus. x, Aug. 28, 1930, p. 20. Orthotype,
Blennius laticlavius Griffin.

ZEABLENNIUS LATICLAVIUS

Blennius laticlavius Griffin, Trans. N.Z. Inst. lvi, April 26, 1926, p. 542,
pl. xcvi, fig. 1. Mount Maunganui, Bay of Plenty.

Genus ASPIDONTUS

Aspidontus Quoy & Gaimard, Voy. Astrolabe, Zool., iii, 1835, p. 719, ex
Cuvier, MS. Haplotype, *A. taeniatus* Quoy & Gaimard.

ASPIDONTUS RHINORHIJNCHOS

Petroskirtes rhinorhijnchos Bleeker, Nat. Tijdschr. Ned. Ind. iii, 1852, p. 273.
Ceram, Indonesia.

Aspidontus rhinorhynchus Tomiyama, Fish. Japan (Tanaka) lv, 1956, p. 1128,
pl. ccxxii, fig. 573.

Note: Meyer Island, Kermadecs (Waite, Trans. N.Z. Inst. xlii, 1910, p. 380).

Family PYRAMODONTIDAE

Genus CYNOPHIDIUM

Cynophidium Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1, 1914, p. 16.
Orthotype, *C. punctatum* Regan.

CYNOPHIDIUM PUNCTATUM

Cusk

Cynophidium punctatum Regan, Ann. Mag. Nat. Hist. (8) xiii, Jan. 1, 1914,
p. 16. Cape North; 70 faths. ("Terra Nova").

Pyramodon ventralis Smith, Ann. Mag. Nat. Hist. (12) viii, 1955, p. 545, figs.
1-2. Not of Smith & Radcliffe?

Family ZOARCIDAE

Genus HYPOLYCODES

Pseudolycodes Hector, 15th. Ann. Rept. Colon. Mus., 1880, p. 20. Haplotype,
P. haastii Hector. *Nomen nudum*.

Hypolycodes Hector, Trans. N.Z. Inst. xiii, April 1881, 194. Haplotype,
H. haastii Hector.

HYPOLYCODES HAASTII

Pseudolycodes haastii Hector, 15th. Ann. Rept. Colon. Mus., 1880, p. 20.
Nomen nudum. N.Z.

Hypolycodes haastii Hector, Trans. N.Z. Inst. xiii, 1881, p. 194, pl. iii, fig. 1.
Waimarama, East Coast, Wellington.

Genus MELANOSTIGMA

Melanostigma Gunther, Proc. Zool. Soc. Lond., June 1, 1881, p. 20. Haplotype,
M. gelatinosum Gunther.

MELANOSTIGMA FLACCIDUM

Ragfish

Melanostigma flaccidum Waite, Trans. N.Z. Inst. xlvi, June 15, 1914, p. 129,
pl. vi. Kaikoura, South Island; surface.

Family BROTULIDAE
Genus DINEMATICHTHYS

Dinematichthys Bleeker, Nat. Tijdschr. Ned. Ind. viii, 1855, p. 318. Haplotype, *D. iluocoeteoides* Bleeker.

DINEMATICHTHYS CONSOBRINUS

Dinematichthys consobrinus Hutton, Trans. N.Z. Inst. viii, May 1876, p. 217. Cape Campbell. Type figured by Hector, Trans. N.Z. Inst. ix, May 1877, p. 466, pl. ix, fig. 77a.

Genus DERMATOPSIS Ogilby, 1896

Dermatopsis Ogilby, Proc. Linn. Soc. N.S.Wales xxi, 2, Sept. 23, 1896, p. 138. Haplotype, *D. macrodon* Ogilby.

DERMATOPSIS MACRODON
Fleshfish

Dermatopsis macrodon Ogilby, Proc. Linn. Soc. N.S.Wales xxi, 2, Sept. 23, 1896, p. 140. Maroubra, New South Wales. Type figured by Whitley, Rec. Austr. Mus. xix, 1935, p. 239, fig. 8. Figured from a New Zealand specimen by Cohen, 1966.

Genus BASSOGIGAS

Bassogigas Goode & Bean, Spec. Bull. U.S. Nat. Mus. ii (Oceanic Ichth., 1896), p. 328, ex Gill, MS. Logotype, *B. gillii* Goode & Bean, selected by Boulenger, Zool. Record 1896 (1897), Pisces, p. 28.

BASSOGIGAS sp.

Bassogigas sp. Nybelin, 14th Int. Congress Copenhagen I.U.B.S. 1953, Deep Sea Colloqu. (unpaged). North of N.Z.: c.2,000 metres ("Dana").

Genus et sp. innom.

Blind Brotulid

"Blind halvgennemsigtig brotulid fisk" Bruun, Galatheas Jordomsejling, 1953, p. 187, fig. North-east of N.Z.; 4,410 metres.

Famliy CARAPIDAE
Genus ECHIODON

Echiodon Thompson, Proc. Zool. Soc. London, v, Dec. 1837, p. 55. Haplotype, *E. drummondii* Thompson.

ECHIODON RENDAHLI
Messmate Fish; Fierasfer

Fierasfer sp. Rendahl, Vidensk. Medd. Dansk. nat. Foren. lxxxii, Oct. 30, 1925, p. 13. Campbell Island.

Carapus rendahli Whitley, Austr. Zool. x, 1941, p. 40, fig. 27. New South Wales.

Note: In his Catalogue, Gunther wrongly listed New Zealand [error for New Ireland] under the genus *Fierasfer* [= *Carapus*]. However, Rendahl mentions a fish "which Dr. Mortensen received from the shepherds on Campbell Island, who had found it at the shore of Perseverance Harbour. It is an extremely elongate and attenuated, naked *Fierasfer*-like form, 190 mm. long, and with the ventral part of the body greatly extended as a protruding sac. The tail is very long and tapers to a thread-like tip. The shepherds stated that it had a long spine at the anterior end of the dorsal fin; this is not found on the specimen. One might suggest that it was rather a soft appendix like that of the *Fierasfer* larva."

Family OPHIDIIDAE
Genus GENYPTERUS

Genypterus Philippi, Arch. Naturg. (Wiegmann) xxiii, 1, 1857, p. 268. Haplotype, *G. nigricans* Philippi.

GENYPTERUS BLACODES

Ling; Hokarari

Ophidium blacodes Bloch and Schneider, Syst. Ichth. 1801, p. 484, *ex* Forster, MS., see p. 583. N.Z. = South Island (Forster's drawing, no. 174 in Brit. Mus. seen.).

GENYPTERUS MICROSTOMUS

Genypterus microstomus Regan, Ann. Mag. Nat. Hist. (7) xi, 1903, p. 599. Tasmania, Dunedin and Stewart Island.

Family ECHENEIDAE

Genus REMOROPSIS

Remoropsis Gill, Proc. Acad. Nat. Sci. Philad. 1863, p. 88; 1864, p. 60. Orthotype, *Echeneis brachypterus* Lowe.

REMOROPSIS BRACHYPTERUS

Sucking Fish

Echeneis brachyptera Lowe, Proc. Zool. Soc. Lond. vii, 77, Oct., 1839, p. 89. Madeira.

Genus PHTHEIRICHTHYS

Phtheirichthys Gill, Proc. Acad. Nat. Sci. Philad. 1862 (1863), p. 239. Orthotype, *Echeneis lineata* Menzies.

PHTHEIRICHTHYS LINEATUS

Louse Fish

Echeneis lineata Menzies, Trans. Linn. Soc. Lon. i, 1791, p. 187, pl. xvii, fig. 1. Tropical Pacific Ocean; adhering to a turtle.

Family SCORPAENIDAE

Genus HELICOLENUS

Helicolenus Goode & Bean, Spec. Bull. U.S. Nat. Mus. ii (Oceanic Ichth., 1896), p. 248. Orthotype, *Sebastes dactylopterus* De La Roche. The N.Z. species may be subgenerically distinct.

HELICOLENUS PAPILLOSUS

Sea Perch; Pohuikarua

Synanceja papillosus Bloch and Schneider, Syst. Ichth. 1801, p. 196, N.Z. (March 30, 1773). See also *ibid* p. xxxvii.

Scorpaena cottoides Bloch and Schneider, Syst. Ichth. 1801, p. 196, *ex* Forster, MS. N.Z. Schneider adds, "Percam cercyrum dixerat Forsterus piscem ibidem alio tempore captum . . .", but I know nothing of such a species.

Sebastes percoides Richardson, Ann. Mag. Nat. Hist. ix, July 1, 1842, p. 384; Voy. Erebus and Terror, Fish. 1845, p. 23, pl. xv, figs. 1-2. N.Z.

Scorpaena percoides Richardson, Ann. Mag. Nat. Hist. ix, July 1, 1842, p. 384. Voy. Erebus and Terror, Fish. 1845, p. 23, *ex* Solander, MS. N.Z.

Scorpaena barathri Hector, Ann. Mag. Nat. Hist. (4) xv, Jan. 1875, p. 80 and Trans. N.Z. Inst. vii, June 1875, p. 245, pl. x, fig. 15a. Off Cape Farewell ("Challenger" Exped.).

Sebastes maccullochi Phillipps, Trans. N.Z. Inst. lviii, Aug. 15, 1927, p. 127, pl. iii, fig. 2. Cook Strait; from stomach of Red Cod.

Genus PTEROIS

Pterois Schinz, Das Thierreich (Cuvier) ii, 1822, p. 463. Logotype, *P. volitans* (Linne).

PTEROIS VOLITANS

Butterfly Cod

Gasterosteus volitans Linne, Syst. Nat. ed. 19, 1758, p. 296; ed. 12, 1766, p. 491. Amboina, Indonesia.

Genus SCORPAENOPSIS

Scorpaenopsis Heckel, Ann. Wiener Mus. ii, 1837, p. 158. Orthotype, *Scorpaena nesogallica* Cuv. & Val., *vide* Jordan, Gen. Fish.

SCORPAENOPSIS CIRROSUS

Perca cirrosa Thunberg, K. Vet. Ac. Nya Handl. xiv, 1793, p. 199, pl. vii, fig. 2. Japan.

Note: Obtained by H.M.S. "Herald" at Raoul Id., Kermadecs—Gunther, Cat. Fish. Brit. Mus. ii, 1860, p. 120.

Genus RUBORALGA

Ruboralga Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 326. Orthotype, *Scorpaena jacksoniensis* Steindachner.

RUBORALGA CARDINALIS

Red Rock Cod; Hapuku's Grandfather; Matuawahapuku

Scorpaena cardinalis Richardson, Ann. Mag. Nat. Hist. ix, May 1, 1842, p. 212, *ex* Solander, MS. Motuaro, Queen Charlotte Sound, N.Z. Solander's description is reproduced.

Scorpaena plebeia Richardson, Ann. Mag. Nat. Hist. ix, May 1842, p. 214, *ex* Solander, MS., Tolaga Bay.

Scorpaena cruenta Richardson, Ann. Mag. Nat. Hist. ix, May, 1842, p. 217. *ex* Solander, MS. Cape Kidnappers, N.Z.

Scorpaena militaris Richardson, Trans. Zool. Soc. Lond. iii, June, 1842, p. 90. Tasmania.

RUBORALGA COOKII

Scorpaena cookii Gunther, J. Mus. Godeffroy ii, (Fische der Sudsee i) 1873, p. 78, pl. lv (not text-fig). Raoul Island, Kermadec Is. Described from Kermadec specimens but figured from a different Hawaiian fish referable to *S. cacopsis* Jenkins, *vide* Jordan and Evermann.

Genus SEBASTAPISTES

Sebastapistes Streets, Bull. U.S. Nat. Mus. vii, 1877, p. 62, *ex* Gill, MS. Logotype, *S. strongia* Cuv. & Val.

SEBASTAPISTES BYNOENSIS

Scorpaena bynoensis Richardson, Voy. Erebus and Terror, Fish. 1845, p. 22, pl. xiv, figs. 3-5. North-west Australia.

Family CONGIPODIDAE

Genus ZANCLORHYNCHUS

Zanclorhynchus Gunther, Rept. Voy. Challenger, Zool. i, 6, 1880, p. 15. Haplotype, *Z. spinifer* Gunther.

ZANCLORHYNCHUS SPINIFER

Spiny

Zanclorhynchus spinifer Gunther, Rept. Voy. Challenger, Zool. i, 6, 1880, p. 15, pl. viii, fig. A. Kerguelen Island; in trawl.

Note: Recorded from Macquarie Island by Waite in 1916 and obtained there since.

Genus ALERTICHTHYS

Alertichthys Moreland, Rec. Domin. Mus. iii, 3, April 1960, p. 241. Orthotype, *A. blacki* Moreland.

ALERTICHTHYS BLACKI

Alert Pigfish

Alertichthys blacki Moreland, Rec. Domin. Mus. iii, 3, April 1960, p. 243, figs. 1-7. East of Otago Peninsula; 250-300 fathoms, also off Timaru in about 50 faths. Types in Dominion Museum, Wellington.

Genus CONGIOPODUS

Congiopodus Perry, Arcana, Feb. 1, 1811, sign. Dd 8, pl. lv. Haplotype, *C. percatus* Perry.

CONGIOPODUS LEUCOPAECILUS

Pigfish; Puramorua

Agriopus leucopaecilus Richardson, Zool. Voy. Erebus & Terror, Fish., 1846, p. 60, pl. xxxvii, figs. 4-5. South Australian Sea.

Family OPLICHTHYIDAE

Genus RHINHOPLICHTHYS

Rhinhoplichthys Fowler, Proc. U.S. Nat. Mus. lxxxv, 1938, p. 100. Orthotype, *Hoplichthys haswelli* McCulloch.

RHINHOPLICHTHYS HASWELLI

Deepsea Flathead

Hoplichthys haswelli McCulloch, Rec. Austr. Mus. vi, 5, July 18, 1907, p. 351, pl. lxiv. East of Port Jackson, N.S.Wales; 800 faths.

Family NEOPHRYNICHTHYIDAE

Genus NEOPHRYNICHTHYS

Neophrynichthys Gunther, Ann. Mag. Nat. Hist. (4) xvii, May 1, 1876, p. 395; Trans. N.Z. Inst. ix, May 1877, p. 470. Haplotype, *Psychrolutes latus* Hutton.

NEOPHRYNICHTHYS LATUS

Toadfish

Psychrolutes latus Hutton, Ann. Mag. Nat. Hist. (4) xvi, Nov. 1875, p. 316 and Trans. N.Z. Inst. viii, May 1876, p. 214. Dunedin and Bluff Harbours.

Family LIPARIDAE

Genus CAREPROCTUS

Careproctus Kroyer, Nat. Tidsskr. i, 1861, p. 257. Orthotype, *C. reinhardtii* Kroyer.

CAREPROCTUS KERMADECENSIS

Deepsea Tadpole Fish

Careproctus kermadecensis Nielsen, Galathea Rept. vii, 1964, p. 113, figs. 4, 5, 6 & 7. Kermadec Trench.

Family COTTIDAE

Genus ANTIPODOCOTTUS

Antipodocottus Bolin, Vidensk. Medd. Dansk. Naturh. Foren., 114, Nov. 20, 1952, p. 431. Orthotype, *A. galathea* Bolin.

ANTIPODOCOTTUS GALATHEAE

Sculpin

Antipodocottus galathea Bolin, Vidensk. Medd. Dansk. Naturh. Foren., 114, Nov. 20, 1952, p. 432, fig. 1. "Galathea" Station 626. Tasman Sea [west of South Island of N.Z.]. Lat. 42°10'S. x Long. 170°10'E.; 594 metres. Types in Zool. Mus., Copenhagen.

Family TRIGLIDAE

Genus CURRUPISCIS

Currupiscis Whitley, Austr. Zool. vi, Feb. 31, 1931, p. 327. Orthotype, *C. volucer* Whitley.

CURRUPISCIS KUMU

Kumukumu

Trigla kumu Lesson, Voy. Coquille, Poiss., 1829, p. 214, pl. xix. Bay of Islands. *Id.* Cuvier & Valenciennes, Hist. Nat. Poiss. iv, Nov. 1829, p. 50. N.Z.

Trigla papilionacea Cuvier & Valenciennes, Hist. Nat. Poiss. iv, Nov. 1829, p. 50, ex Parkinson, MS. N.Z.

Trigla kumoides Steindachner, Anzeiger Akad. Wiss. Wien, 37th year, no. xvi, 1900, p. 175; Denkschr. Akad. Wiss. Wien lxx, 1900 (1901), p. 498, pl. i, figs. 2, 2a. N.Z.

Genus PARATRIGLA

Paratrigla Ogilby, Ann. Qld. Mus. No 10, Nov. 1, 1911, p. 56. Orthotype, *Trigla pleuracanthica* Richardson = *T. papilio* Cuv. & Val.

Aoyagichthys Whitley, Proc. Roy. Zool. Soc. N.S.Wales 1956-57 (1958), p. 46. Orthotype, *Trigla vanessa* Richardson.

PARATRIGLA (AOYAGICHTHYS) VANESSA

Butterfly Gurnard

Trigla vanessa Richardson, Proc. Zool. Soc. Lond. vii (78), Nov. 1839, p. 97. Port Arthur, Tasmania.

Genus LEPIDOTRIGLA

Lepidotrigla Gunther, Cat. Fish. Brit. Mus. ii, 1860, p. 196. Logotype, *Trigla aspera* Cuv. & Val.

LEPIDOTRIGLA BRACHYOPTERA

Lepidotrigla brachyoptera Hutton, Cat. Fish. N.Z., Feb. 1872, p. 27. Wellington Harbour.

Genus PTERYGOTRIGLA

Pterygotrigla Waite, Austr. Mus. Mem. iv, 1, Dec. 23, 1899, p. 108. Orthotype, *Trigla polyommata* Richardson.

PTERYGOTRIGLA PICTA ANDERTONI

Spotted Gurnard

Trigla picta Gunther, Rept. Voy. Challenger, Zool. i, 6, 1880, p. 24, pl. xiii, fig. A. Juan Fernandez.

Pterygotrigla andertoni Waite, Proc. N.Z. Inst. 1910, i, Sept. 10, 1910, p. 26. Bay of Plenty.

Family GOBIESOCIDAE

Genus GASTROCYMBA

Gastrocymba Briggs, Stanford Ichth. Bull. vi, Sept. 1955, p. 11. Orthotype, *Diplocrepis 4-radiatus* Rendahl.

GASTROCYMBA QUADRIRADIATA

Clingfish

Diplocrepis 4-radiatus Rendahl, Vidensk. Medd. Dansk. Natur. Foren. lxxxii, 1925, p. 8. Port Ross, Auckland Islands.

Gastrocymba quadriradiata Briggs, Stanford Ichth. Bull. vi, Sept. 1955, p. 11, fig. 14, map 2.

Genus DELLICHTHYS

Dellichthys Briggs, Stanford Ichth. Bull. vi, Sept. 1955, p. 14. Orthotype, *D. morelandi* Briggs.

DELLICHTHYS MORELANDI

Dellichthys morelandi Briggs, Stanford Ichth. Bull. vi, Sept. 1955, p. 14, figs. 16 & 82, map 2. Lottin Point.

Genus TRACHELOCHISMUS

Trachelochismus Brisout de Barneville, Rev. Zool. (Soc. Cuvier.) ix, 1846, p. 212. Logotype, *Cyclopterus pinnulatus* Forster = *Lepadogaster pinnulatus* Bloch & Schneider.

Oliverichthys Whitley & Phillipps, Trans. Roy. Soc. N. Zeal. lxxix, 1939, p. 236. Orthotype, *Trachelochismus melobesia* Phillipps.

TRACHELOCHISMUS PINNULATUS

Lump Fish, Mohiaru

Lepadogaster pinnulatus Bloch & Schneider, Syst. Ichth., 1801, p. 2. "Habitat mare indicum juxta Novam Zeelandiam inter lapides litoreos ad ostia rivulorum" (Forster) = Queen Charlotte Sound (*vide* Richardson, Trav. N. Zeal. (Dieffenbach) ii, 1843, p. 225).

Trachelochismus guttulatus Hutton, Cat. Fish. N.Z. 1872, p. 41. Wellington Harbour.

Crepidogaster simus Hutton, Trans. N.Z. Inst. xxviii, 1896, p. 316. Lyttelton Harbour and Chatham Islands.

Diplocrepis tumidus Griffin, Trans. N.Z. Inst. lix, 1928, p. 385, pl. lxix, fig. 9. Ponui Id., Auckland Harbour; rock-pools.

TRACHELOCHISMUS MELOBESIA

Trachelochismus melobesia Phillipps, Trans. N.Z. Inst. lviii, 1927, p. 130, pl. v, fig. 5. Wellington; rock-pools.

Genus HAPLOCYLIX

Haplocylis Briggs, Stanford Ichth. Bull. vi, Sept. 1955, p. 21. Orthotype, *Cyclopterus littoreus* Bloch & Schneider.

HAPLOCYLIX LITTOREUS

Clingfish

Cyclopterus littoreus Bloch & Schneider, Syst. Ichth. 1801, p. 199, *ex* Forster, MS. South Island of N.Z.; affixed to stones.

Genus DIPLOCREPIS

Diplocrepis Gunther, Cat. Fish. Brit. Mus. iii, 1861, p. 506. Haplo type, *Lepadogaster puniceus* Richardson.

DIPLOCREPIS PUNICEUS

Sucker, Clingfish

Lepadogaster puniceus Richardson, Zool. Voy. Erebus & Terror, Fish. 1846, p. 71, pl. xliii, figs. 1-7. N.Z. (Hooker).

Diplocrepis puniceus Briggs, Stanford Ichth. Bull. vi, Sept. 1955, p. 42, figs. 23 & 52, map 7 (refs. and review).

Genus GASTROSCYPHUS

Gastroscyphus Briggs, Stanford Ichth. Bull. vi, Sept. 1955, p. 45. Orthotype, *Crepidogaster hectoris* Gunther.

GASTROSCYPHUS HECTORIS

Crepidogaster hectoris Gunther, Ann. Mag. Nat. Hist. (4) xvii, 1876, p. 396; Trans. N.Z. Inst. ix, 1877, p. 471. Cook Strait (southern shore).

Gastroscyphus hectoris Briggs, Stanford Ichth. Bull. vi, Sept. 1955, p. 46, figs. 6 & 25, map 7.

Genus GASTROCYATHUS

Gastrocyathus Briggs, Stanford Ichth. Bull. vi, Sept. 1955, p. 46. Orthotype, *G. gracilis* Briggs.

GASTROCYATHUS GRACILIS

Gastrocyathus gracilis Briggs, Stanford Ichth. Bull. vi, Sept. 1955, p. 47, figs. 26, 55 & 87, map 7. Island Bay.

Family ANTENNARIIDAE

Genus PHRYNELOX

Phrynelox Whitley, Austr. Zool. vi, Feb. 13, 1931, p. 328. Orthotype, *Lophius striatus* Shaw & Nodder.

PHRYNELOX STRIATUS

Striped Angler Fish

Lophius striatus Shaw & Nodder, Nat. Miscell. v, May 1, 1794, pl. clxxv. "Circa litora Australasiae" (Banks) = Botany Bay, N.S.Wales.

Family SACCARIIDAE

Genus SACCARIUS

Saccarius Gunther, Cat. Fish. Brit. Mus. iii, July 1861, p. 183. Haplotype, *S. lineatus* Gunther.

SACCARIUS LINEATUS

Saccarius lineatus Gunther, Cat. Fish. Brit. Mus. iii, July 1861, p. 183. Bay of Islands, N.Z.

Family MELANOCETIDAE

Genus MELANOCETUS

Melanocetus Gunther, Proc. Zool. Soc. Lond., July 7, 1864, p. 302. Orthotype, *M. johnsonii* Gunther.

MELANOCETUS JOHNSONII

Deepsea Angler Fish

Melanocetus johnsonii Gunther, Proc. Zool. Soc. Lond., July 7, 1864, p. 302, pl. xxv. Madeira.

Family HIMANTOLOPHIDAE

Genus HIMANTOLOPHUS

Himantolophus Reinhardt, Afhandl. K. Danske Vid. Selsk. vii, 1838, pp. 116 & 136. Haplotype, *H. gronlandicus* Reinhardt.

Aegeonichthys Clarke, Trans. N.Z. Inst. x, May 1878, p. 245. Haplotype, *A. appelii* Clarke.

HIMANTOLOPHUS APPELII

Aegeonichthys appelii Clarke, Trans. N.Z. Inst. x, May 1878, p. 245, pl. vi. "Seas of New Zealand" = Hokitika. Type also figured by Whitley, Austr. Mus. Mag. iii, 1927, p. 105, fig.

Family CERATIIDAE

Genus CERATIAS

Ceratias Kroyer, Overs. K. Danske Vid. Selsk. Forhandl. (8), 1844, p. 140 and Naturhist. Tidsskrift (2) i (6), 1845, p. 639, *vide* Sherborn, Index Anim. (wrongly as Crustacean). Haplotype, *C. holbolli* Kroyer.

CERATIAS HOLBOLLI TENTACULATUS

Ceratias holbolli Kroyer, Overs. K. Danske Vid. Selsk. Forhandl. (8), 1844, p. 140. Europe.

Mancalias tentaculatus Norman, John Murray Exped. Fish., vii, 1, 1930, p. 355, fig. 45. South Atlantic.

Mancalias bifilis Regan & Trewavas, Dana Rept. 2, 1932, p. 100, pl. vi, fig. 1. N.Z.

Genus CRYPTOPSARAS

Cryptopsaras Gill, Forest and Stream, Nov. 8, 1883, p. 284. Orthotype, *C. couesii* Gill, *vide* Goode & Bean, Oceanic Ichth. 1896, p. 491.

CRYPTOPSARAS PENNIFER

?*Cryptopsaras couesii* Gill, Forest and Stream, Nov. 8, 1883, p. 284. Gulf Stream; "Albatross" Station 2101.

?*Ceratias carunculatus* Gunther, Rept. Voy. Challenger, Zool. xxii, 1887, p. 55, pl. xi, fig. D. South of Yeddo, Japan; 345 fathoms.

Cryptopsaras pennifer Regan & Trewavas, Dana Rept. ii, 1932, p. 98, fig. 157. North of N.Z.

Family LINOPHRYNIDAE

Genus LINOPHRYNE

Linophryne Collett, Proc. Zool. Soc. Lond. 1886, p. 138. Haplotype, *L. lucifer* Collett.

LINOPHRYNE ARBORIFER

Linophryne arborifer Regan, Ann. Mag. Nat. Hist. (9) xv, 1925, p. 564. North Atlantic.

Genus HAPLOPHRYNE

Haplophryne Regan, Ann. Mag. Nat. Hist. (8) ix, March 1, 1912, p. 289. Orthotype, *Aceratias mollis* Brauer.

HAPLOPHRYNE TRIREGIUM

Three Kings Angler

Haplophryne triregium Whitley & Phillipps, Trans. Roy. Soc. N.Z. lxxix, Sept. 1939, p. 232. Based on *Haplophryne mollis* Regan, Terra Nova Zool. i, 4, 1916, p. 148, pl. x, fig. 2. Surface off Three Kings Is. Not *Aceratias mollis* Brauer, Zool. Anzeiger, xxv, April 1902, p. 297 from the middle of the Indian Ocean (between New Amsterdam and Cocos Id.); 2,200 metres, *vide* Brauer, Wiss. Ergebn. Deutsch. Tiefsee-Exped. Valdivia, 1906, p. 324, pl. xvi, fig. 10.

Hyaloceratias sp. Bertin, Dana Rept. 39, 1951, pp. 13 et seq., fig. 1b. N.Z.

Family OGCOEPHALIDAE

Genus HALIEUTAEA

Halieutaea Cuvier & Valenciennes, Hist. Nat. Poiss. xii, March 1837, p. 455. Haplotype, *Lophius stellatus* Vahl.

HALIEUTAEA MAORIA

Batfish

Halieutaea maoria Powell, Trans. Roy. Soc. N.Z. lxxvii, 1937, p. 81, pl. xviii, fig. 2. Off White Island, Bay of Plenty.

Family ALEUTERIDAE

Leatherjackets

Genus ALLOMONACANTHUS

Allomonacanthus Fraser-Brunner, Ann. Mag. Nat. Hist. (11) viii, Sept. 1941, p. 185, as subgenus of *Navodon*. Orthotype, *Monacanthus convexirostris* Gunther.

ALLOMONACANTHUS CONVEXIROSTRIS

Monacanthus convexirostris Gunther, Cat. Fish. Brit. Mus. viii, 1870, p. 248. George Town, Tasmania and N.Z. (Dr. Sinclair).

Genus NELUSETTA

Nelusetta Whitley, Rec. Austr. Mus. xx, March 31, 1939, p. 277. Orthotype, *Monacanthus vittatus* Richardson.

NELUSETTA ANALIS

Pseudomonacanthus analis Waite, Rec. Austr. Mus. v, 1904, p. 173, fig. 32. Lord Howe Island.

Cantherines analis Waite, Trans. N.Z. Inst. xlv, 1910, p. 378. Emended description and recorded from the Kermadecs.

Genus PARIKA

Parika Whitley, Austr. Zool. xii, 2, July 18, 1955, p. 111. Orthotype, *Balistes scaber* Bloch & Schneider.

PARIKA SCABRA

Trigger Fish, Leatherjacket: Kokiri

Balistes scaber Bloch & Schneider, Syst. Ichth., 1801, p. 477, *ex* Forster, MS. "Pacific Ocean" = Queen Charlotte Sound (type-loc.) and the Society Is. (*vide* Forster, Descr. Anim., 1844, p. 152).

Balistes unicornu Richardson, Rept. 12th meet. Brit. Assn. Adv. Sci. 1842 (1843), p. 29, *ex* Solander, MS. Cape Kidnappers.

Balistes scabrosus Richardson, Zool. Voy. Erebus & Terror, Fish., 1846, p. 65, ex Solander, MS. Motuaro.

Monacanthus parika Taylor, Te Ika a Maui, ed. 2, 1870, p. 625. *Nomen nudum*. N.Z.

Monacanthus serrasquamosus Hollard, Ann. Sci. Nat. (4) ii, 1854, p. 345. Bay of Islands (M. Arnoux [? misprint for Verreaux . . . G.P.W.]).

Genus ALEUTERUS

Aleuterus Bosc, Nouv. Dict. Hist. Nat. i, Sept. 1816, p. 302, ex Cuvier, MS. Haplotype, *Balistes monoceros* Linne.

ALEUTERUS MONOCEROS

Balistes monoceros Linne, Syst. Nat. ed. 10, Jan. 1, 1758, p. 327. Asia [near Hong Kong].

Genus NAVODON

Navodon Whitley, Austr. Zool. vi, 2, Jan. 14, 1930, p. 179. Orthotype, *Balistes australis* Donovan.

NAVODON AUSTRALIS

Balistes australis Donovan, Natur. Repository iii, May 1, 1824, text to pl. lxxvi. Van Diemen's Land.

Monacanthus rudis Richardson, Proc. Zool. Soc. Lond. viii, 1840, p. 27. Port Arthur, Tasmania.

Family OSTRACIIDAE

Genus PARACANTHOSTRACION

Paracanthostracion Whitley, Rec. Austr. Mus. xix, Aug. 2, 1933, p. 105. Orthotype, *Ostracion lindsayi* Phillipps.

PARACANTHOSTRACION LINSAYI

Boxfish

Ostracion lindsayi Phillipps, N.Z. J. Sci. Tech. xiii, 4, Feb. 1932, p. 233, fig. 4. Otago.

Genus OSTRACION

Ostracion Linne, Syst. Nat. ed. 10, 1758, p. 330; ed. 12, 1766, p. 407. Logotype, *O. cubicus* Linne.

OSTRACION ECO

Ostracion hexagonus Phillipps, Trans. N.Z. Inst. lviii, Aug. 15, 1927, p. 134, pl. viii, fig. 9. Pahia, Bay of Islands; on beach. Preocc. by *O. hexagonus* Thunberg, D. D. Mus. Ac. Upsal., 1787, p. 30; Bloch & Schneider, Syst. Ichth., 1801, p. 502.

Ostracion eco Phillipps, N.Z. J. Sci. Tech. xiii, 4, Feb. 1932, p. 233. New name for *O. hexagonus* Phillipps, preocc.

Family LAGOCEPHALIDAE

Genus SPHAEROIDES

Sphaeroides Anon., Allg. Lit. Zeit., Sept. 24, 1798, p. 676, ex Lacepede, vernac. Haplotype, later named *Orbis tuberculatus* Latreille, Nouv. Dict. Hist. Nat. ed. 1, xxiv, March 1804, p. 75.

Note: The Zoological Record for 1914 wrongly recorded from N.Z. the American species, *S. harperi* Nichols.

Pending critical revision, the following three species are united in one genus, *Sphaeroides*.

SPHAEROIDES HAMILTONI

Toado, Toadfish

Tetraodon hamiltoni Gray & Richardson, Trav. N.Z. (Dieffenbach) ii, Jan. 1843, p. 226. Port Jackson, New South Wales.

SPHAEROIDES NITIDUS

Sphaeroides nitidus Griffin, Trans. N.Z. Inst. liii, Aug. 31, 1921, p. 356, pl. lv, fig. 2. Auckland (type) and Tauranga Harbours.

SPHAEROIDES CHEESEMANI

Tetrodon cheesemani Clarke, Trans. N.Z. Inst. xxix, June 1897, p. 248, pl. xv. Moturoa, Taranaki.

Genus CONTUSUS

Contusus Whitley, Austr. Zool. xi, 1947, p. 147. Orthotype, *Tetrodon richiei* Freminville.

CONTUSUS RICHEI

Globefish

Tetrodon richiei Freminville, Nouv. Bull. Sci. Soc. Philom. iii, April 1813, p. 250, pl. iv, fig. 2. Nuytsland, South Australia.

Genus BOESEMANICHTHYS

Boesemanichthys Abe, Jap. J. Ichth. ii, 1, 1952, p. 40. Orthotype, *Tetraodon firmamentum* Temminck & Schlegel.

BOESEMANICHTHYS GILLBANKSII

Tetrodon gillbanksii Clarke, Trans. N.Z. Inst. xxix, June 1897, pp. 244 & 245, pl. xiv. Moturoa, Taranaki.

Genus TAKIFUGU

Takifugu Abe, Bull. Biogeogr. Soc. Japan xiv, 1949, p. 90, as subgenus of *Sphaeroides*. Haplotype, *Tetrodon oblongus* Bloch.

TAKIFUGU OBLONGUS

Tetrodon oblongus Bloch, Nat. Ausl. Fische ii, 1786, p. 6, pl. cxlvi, fig. 1. Surate, Indonesia.

Note: Kermadecs—Waite, 1910.

Genus LIOSACCUS

Liosaccus Gunther, Cat. Fish. Brit. Mus. viii, 1870, pp. 272 & 287. Logotype, *Tetrodon cutaneus* Gunther.

LIOSACCUS AEROBATICUS

Liosaccus aerobaticus Whitley, Rec. Austr. Mus. xvi, 4, March 28, 1928, p. 237, pl. xvi, fig. 2. Off Montague Island, New South Wales. A specimen in the Dominion Museum, Wellington, seen in 1957, came from the Bay of Plenty. New record for New Zealand. Others have been received since.

Family CANTHIGASTERIDAE

Genus CANTHIGASTER

Canthigaster Swainson, Nat. Hist. Classif. Fish. Amphib. Rept. ii, July, 1839, p. 194. Genus *caelebs*. Logotype, *Tetraodon rostratus* Bloch.

CANTHIGASTER CALLISTERNUS

Clown Toado

Tetrodon callisternus Ogilby, Austr. Mus. Mem. ii, 1889, p. 74 (26 of reprint), pl. iii, fig. 5. Lord Howe Island.

Note: Recorded from Kermadecs as *C. caudofasciatus* by Waite (not of Gunther), and from Poor Knights Islands, Whangarei, in "Dive" v (6) 1966, p. 6—Whitley, Proc. Roy. Zool. Soc. N.S.W. 1966-67 (1968), p. 40.

Family DIODONTIDAE

Genus DIODON

Diodon Linne, Syst. Nat., ed. 10, 1758, p. 334; ed. 12, 1766, p. 412. Logotype, *D. hystrix* Linne.

DIODON HYSTRIX

Porcupine Fish

Diodon hystrix Linne, Syst. Nat., ed. 10, 1758, p. 335; ed. 12, 1766, p. 413.
India.
(Kermadecs).

Genus ALLOMYCTERUS

Allomycterus McCulloch, Rec. Austr. Mus. xiii, 4, April 12, 1921, p. 141.
Orthotype, *Diodon jaculiferus* [McCulloch, non] Cuvier = *Allomycterus pilatus* Whitley, Rec. Austr. Mus. xviii, 1931, p. 125.

ALLOMYCTERUS WHITLEYI

Diodon globulus Taylor, Leaf Nat. Hist. N.Z., 1849, p. 13; Te Ika a Maui, ed. 2, 1870, p. 625 (*Diodon* sp. in ed. 1, 1855, p. 411). *Nomen nudum*. N.Z.

Allomycterus whitleyi Phillipps, N.Z. J. Sci. Tech. xiii, 4, Feb. 1932, p. 234, fig. 5. N.Z. waters.

Family MOLIDAE

Genus MOLA

Mola Cuvier, Tab. Elem. 1798, p. 323. Tautotype, *Tetraodon mola* Linne, Syst. Nat. ed. 10, 1789, p. 334.

MOLA MOLA

Tetraodon mola Linne, Syst. Nat. ed. 10, 1758, p. 334. Mediterranean.

MOLA RAMSAYI

Sunfish; Ratahuihui

Orthratoriscus ramsayi Giglioli, Nature xxviii, Aug. 2, 1883, p. 315.
"Southern Hemisphere" [= Sydney, N.S.Wales]. Type in British Museum.

Genus TRIURUS

Triurus Lacepede, Hist. Nat. Poiss. ii, 1800, p. 200. Haplotype, *T. bougainvilleanus* Lacepede.

Ranzania Nardo, Atti i Riun, Sci. Ital. ed. 2, 1840, p. 165. Orthotype, *R. typus* Nardo (*fide* Sherborn, Ind. Anim.).

TRIURUS LAEVIS

Oblong Sunfish

Ostracion laevis Pennant, Brit. Zool. ed. 4, iii, 1776, p. 129, pl. xix, fig. 54. Plymouth, England.

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HISTORICAL

The history of New Zealand's ichthyology differs from that of Australia in that there was not the competition amongst foreigners to describe and name the species in the early years. New Zealand was discovered by a Dutchman, Tasman, in pre-Linnean days. Some manuscripts and drawings of Cook's naturalists were utilized by Broussonet, Gmelin, Bloch and Schneider, but the squabbles of the Forsters seem to have kept the books of science closed. However, Madame Bowdich made copies of Forster's drawings for Cuvier, Lichtenstein edited Forster's *Descriptiones Animalium* for publication in 1844 and John Richardson in the 1840's made use of the notes of the Cookian naturalists. Not many species emerged as a result of the French naturalists and explorers (Marion du Fresne, Quoy and Gaimard, Lesson and Garnot) but some were described after the visit of the Austrian vessel "Novara". Richardson's *Zoology* of the voyage of the "Erebus" and "Terror" (1844-48) is still a classic work on Australasian fishes. It is now difficult to understand the inactivity of William Swainson who was perhaps too busy farming in New Zealand to continue his former spate of finely illustrated publications.

The 1870's saw the arrival of H.M.S. "Challenger" and the beginning of deep-sea research. By then the New Zealand school of workers in ichthyology had arisen and is happily still flourishing. Hutton and Hector produced a Catalogue of New Zealand fishes. Gunther had completed the great Catalogue of the Fishes in the British Museum and was working on the "Challenger" material; and he included fishes from the Kermadecs in his *Fische der Sudsee*. It was then possible for students in the Antipodes to classify their fishes and describe new ones. Hutton, Hector, Haast, Campbell, Colenso, Clark, Kirk, Parker, Arthur, Sherrin and Forbes contributed papers in the nineteenth century. In 1901, Hamilton produced the first bibliography of New Zealand fishes which was followed in 1904 by Hutton's Index to the Fauna. Benham, Hamilton, Chilton and others produced good work but a special palm should be awarded to Waite who worked out the trawled fishes and catalogued, described and fully illustrated practically all the species known locally at his time. A landmark was Phillipps' *Bibliography of New Zealand Fishes* (1927). For the rest, the following rough and well-nigh chronological list of workers may provide the bare bones which may some day be fleshed into a history of the science of ichthyology in New Zealand, a science which now shows signs of enormous expansion. Students of the pioneers should also consult Fell and others, *First century of New Zealand zoology, 1769-1868*, issued by the University at Wellington in 1953.

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